McDonald's USA, LLC

INTERIOR RENOVATION CONSTRUCTION DOCUMENTS FOR

1300 WEST 103RD STREET
KANSAS CITY, MO 64114–4515

PROJECT INFORMATION:

SITE NAME: KC–103 ST.
2020 EOTF MOD C
DENVER REGION

ADDRESS:

STREET ADDRESS:	1300 WEST 103RD STREET
CITY:	KANSAS CITY
STATE:	MO
ZIP:	64114–4515
STATE SITE CODE:	024–0074
NATIONAL STORE NO.:	3172

APPLICANT

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BURLINGTON, MA 01803
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ARCHITECT OF RECORD

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ENGINEER OF RECORD (ELECTRICAL)

EBI CONSULTING – ONOFRE MAYUGA
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BURLINGTON, MA 01803
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SCOPE OF WORK:

THIS PROJECT CONSISTS OF INTERIOR IMPROVEMENTS. THE SCOPE OF WORK INCLUDES THE FOLLOWING:

1. NEW SEATING LAYOUT WITH NEW FINISHES, NEW LIGHTING AND NEW CEILINGS.
2. NEW CUSTOMER SERVICE COUNTER AND SERVICE AREA MODIFICATIONS.
3. NEW RESTROOM PLUMBING FIXTURES WITH NEW FINISHES, NEW LIGHTING AND CEILING MODIFICATIONS.

DESIGN CODES:

2018	INTERNATIONAL BUILDING CODE
2018	INTERNATIONAL EXISTING BUILDING CODE
2017	NATIONAL ELECTRICAL CODE
2018	INTERNATIONAL MECHANICAL CODE
2018	UNIFORM PLUMBING CODE
2012	INTERNATIONAL ENERGY CONSERVATION CODE
2017	INTERNATIONAL FUEL GAS CODE

ICC/ANSI A117.1–2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES CODE

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BUILDING DATA:

OCCUPANCY CLASSIFICATION:	A–2 ASSEMBLY (RESTAURANT)
MINIMUM NUMBER OF EXITS REQUIRED:	2
NUMBER OF EXITS PROVIDED:	4
MINIMUM EXIT WIDTH PROVIDED:	36"
CONSTRUCTION CLASSIFICATION:	TYPE VB
FIRE PROTECTION:	NON–SPRINKLERED (MINIMUM TRAVEL DISTANCE = 200')
TOTAL GROSS BUILDING AREA:	3,336 SQ. FT
EXISTING BUILDING ROOF HEIGHT:	18' – 5"

OCCUPANT LOAD CALCULATIONS FOR PROPOSED CONDITIONS:

AREA TYPE	AREA SIZE	OCCUPANT LOAD CRITERIA	PROPOSED OCCUPANTS	EXISTING OCCUPANTS
DINING	760 SQ. FT	NO. OF SEATS	43 (INCLUDING 3 ACCESSIBLE)	50
CUSTOMER WAITING	95 SQ. FT	1 PERSON/15 SQ. FT	7	8
KITCHEN	957 SQ. FT	1 PERSON/200 SQ. FT	5	5
ANCILLIARY STORAGE	552 SQ. FT	1 PERSON/300 SQ. FT	2	2
BREAK ROOM	68 SQ. FT	1 PERSON/100 SQ. FT	1	1
OFFICE	48 SQ. FT	1 PERSON/100 SQ. FT	1	1
TOTAL	2,480 SQ. FT		59	67

DRAWING INDEX

CV	TITLE AND INFORMATION SHEET
G1.0	GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS
G2.0	HANDICAP ACCESSIBILITY STANDARDS

ARCHITECTURAL

D1.0	DEMOLITION FLOOR PLAN
D1.1	REFLECTED CEILING PLAN–DEMOLITION
A1.0	FLOOR PLAN
A1.1	REFLECTED CEILING PLAN – PROPOSED
A1.2	ENLARGED RESTROOM PLANS AND ACCESSORY ELEVATIONS
A1.3	RESTROOM DETAILS AND SCHEDULES
A4.1	SERVICE AREA MODERNIZATION, MISC. PARTIAL PLANS AND DETAILS
A4.2	SERVICE AREA MODERNIZATION, MISC. ELEVATIONS, AND DETAILS
A4.3	SERVICE AREA MODERNIZATION DETAILS AND MISC. DETAILS
A4.4	KIOSK SLIP SHEET
DP1.0	DUAL POINT SLIP SHEET

ELECTRICAL

E1.0	ELECTRICAL SYMBOLS, ABBREVIATIONS, DRAWING INDEX, GENERAL NOTES & SPECIFICATIONS
E2.0	ELECTRICAL LIGHTING PLAN
E3.0	ELECTRICAL POWER PLAN

PLUMBING

P0.0	PLUMBING SPECIFICATIONS SYMBOLS, & GENERAL NOTES
P1.0	PLUMBING FLOOR PLANS, DETAILS, & PIPING SCHEMATICS

INTERIOR DECOR DRAWINGS (FOR REFERENCE ONLY)

NOTE: DECOR DRAWINGS ARE PREPARED BY A SEPARATE VENDOR ENGAGED DIRECTLY BY McDONALD'S

0	COVER SHEET
1a	SEATING LAYOUT PLAN
1b	CORE DRILL/BOLT DOWN PLAN
2	SHADED PLAN
3	FINISH PLAN
4	CEILING PLAN
5a	ELEVATIONS
5b	ELEVATIONS
5c	ELEVATIONS
5d	ELEVATIONS
6	STANDARD DETAILS
7	GRAPHIC CROP GUIDE
8a	JBI LEGEND
8b	JBI LEGEND
8c	JBI LEGEND
9a	GC LEGEND
9b	GC LEGEND
9c	GC LEGEND

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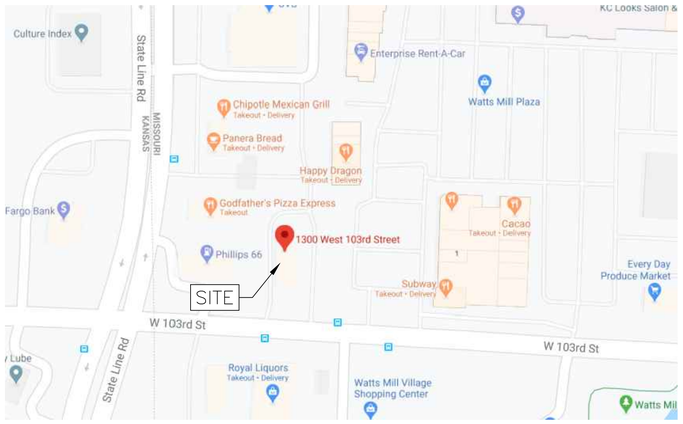
NOTE: DRAWINGS AFFECTED BY REVISION NO. 1 ARE AS FOLLOWS:
CV, D1.0, A1.0, A1.1, A4.1, A4.2, A4.3, P0.0, P1.0, E2.0 AND E3.0

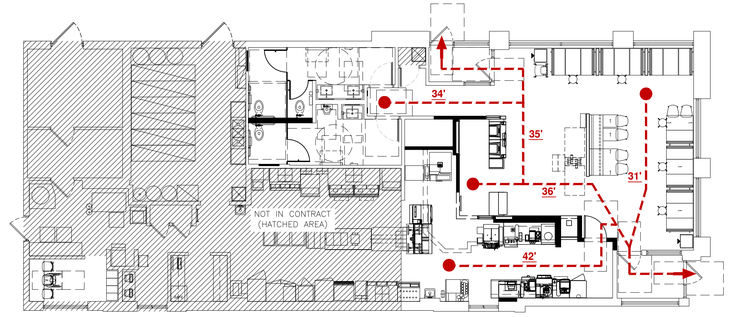


NORTH

VICINITY MAP
NOT TO SCALE

NORTH

AERIAL VIEW
NOT TO SCALE



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NORTH

EGRESS PLAN/FURNITURE LAYOUT
NOT TO SCALE

PREPARED BY:
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ENVIRO BUSINESS, INC.
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Tel: (781) 273-2500 | www.ebiconsulting.com
FIRM C OF A NO.: # X-XXXX

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SIGNED BY:

STATE OF MISSOURI
JOSHUA W. CARRELL
NUMBER A-2018040323
ARCHITECT

DATE: 01/04/2021

NAME: JOSHUA CARRELL
LICENSE NO: ARC07675

PREPARED FOR:
McDonald's USA, LLC

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CONSULTANT:

SUBMITTAL

NO.	DESCRIPTION	DATE	BY
0	FOR PERMIT	6/11/20	JEC
1	SAO INCORPORATED	01/11/20	OWJ

DRAWN BY: OWJ
REVIEWED BY: PKG
PC PANEL DATE: 2019
DATE ISSUED: 2019
SITE ID NO.: 3172

PROJECT TITLE: MCDONALD'S RESTAURANT
KC–103 ST; 2020 MOD C

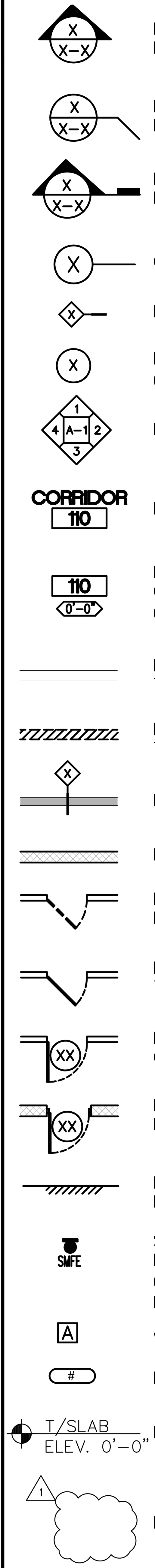
SHEET TITLE: TITLE AND INFORMATION SHEET

SITE ADDRESS: 1300 WEST 103rd STREET
KANSAS CITY, MO 64114

PROJECT NO. 4118000362

SHEET NO. CV

1 SYMBOLS/LEGEND



- REFERENCE TO ELEVATION NUMBER / REFERENCE TO SHEET NUMBER
- REFERENCE TO DETAIL NUMBER / REFERENCE TO SHEET NUMBER
- REFERENCE TO SECTION NUMBER / REFERENCE TO SHEET NUMBER
- COLUMN GRID LINE DESIGNATION
- PARTITION TYPE
- DOOR NUMBER (SEE DOOR SCHEDULE)
- INTERIOR ELEVATIONS
- ROOM NAME AND NUMBER
- ROOM NUMBER / CEILING HEIGHT (SEE CEILING PLANS)
- EXISTING WALL CONSTRUCTION TO REMAIN
- EXISTING WALL CONSTRUCTION TO BE REMOVED
- NEW DRYWALL PARTITION
- NEW MASONRY PARTITION
- EXISTING DOOR AND/OR FRAME TO BE REMOVED
- EXISTING DOOR AND FRAME TO REMAIN
- NEW DOOR AND FRAME IN GYPSUM BOARD WALL
- NEW DOOR AND FRAME IN MASONRY WALL
- EXISTING WALL TO BE PATCHED
- SURFACE MOUNTED FIRE EXTINGUISHER (10 LBS, TYPE SUITABLE FOR FIRE TYPE)
- WINDOW TYPE
- FINISH TAG
- ELEVATION TAG
- REVISION TAG

2 ABBREVIATIONS

AIR CONDITIONING	A/C
ACOUSTICAL	AC
ACCESS	ACC
ACOUSTICAL PANEL	ACP
ACOUSTICAL TILE	ACT
ADDENDUM	ADD
ADJACENT	ADJ
ABOVE FINISH FLOOR	AFF
ALTERNATE	ALT
ALUMINUM	ALUM
ARCHITECT (URAL)	ARCH
ABOVE RAISED FLOOR	ARF
BOARD	BD
BUILDING	BLDG
BLOCK	BLK
BOTTOM OF	BO
BEARING	BRG
BRICK	BRK
BASEMENT	BSMT
BUILT UP ROOFING	BUR
CABINET	CAB
CATCH BASIN	CB
CABLE HOLE IN CEILING	CBIC
CABLE HOLE IN FLOOR	CBIF
CEMENT	CEM
CLOSED CIRCUIT T.V.	CCTV
CAST IRON	CI
CENTER LINE	CL
CEILING	CLG
CLOSET	CLO
CLEAR (ANCE)	CLR
CONCRETE MASONRY UNIT	CMU
COUNTER	CNTR
COLUMN	COL
CONCRETE	CONC
CONSTRUCTION	CONST
CONTRACT (OR)	CONTR
CORRIDOR	CORR
CARPET	CPT
CERAMIC TILE	CT
CENTER	CTR
DEMOLITION	DEMO
DEPARTMENT	DEPT
DRINKING FOUNTAIN	DF
DIAMETER	DIA
DIAGONAL	DIAG
DIMENSION	DIM
DIVISION	DIV
DEAD LOAD	DL
DOWN	DN
DAMP PROOFING	DP
DOOR	DR
DOWNSPOUT	DS
DETAIL	DTL
DRAWING	DWG
DRAWER	DWR
EAST	E
EACH	EA
EXHAUST FAN	EF
ELECTRIC (AL)	ELEC
ELEVATION	ELEV
EMERGENCY	EMERG
ENCLOSE (ENCLOSURE)	ENCL
EXPANDED POLYSTYRENE	EPS
EQUAL	EQ
EACH WAY	EW
ELECTRIC WATER COOLER	EWC
EXCAVATE	EXC
EXHAUST	EXH
EXISTING	EXIST
EXPANSION JOINT	EJ
EXTERIOR	EXT
FLOOR DRAIN	FD
FOUNDATION	FDN
FIRE EXTINGUISHER	FE
FINISH (ED)	FIN
FIXTURE	FIXT
FLOOR (ING)	FLR
FIREPROOF	FP
FIREPROOF SELF–CLOSING	FPSC
FEET	FT
FOOTING	FTG
GAGE, GAUGE	GA
GALVANIZED	GALV
GENERAL CONTRACT (OR)	GC
GROUND FAULT INTERRUPT GLASS,	GFI
GLAZING	GL
GYPSUM BOARD WALL	GWB
HOLLOW CORE	HC
HEADER	HDR
HARDWARE	HDW
HEIGHT	HGT
HOLLOW METAL	HM
HIGH POINT	HP
HEATING	HTG
HEATING VENTILATION & AIR CONDITIONING	HVAC
INSULATED CONCRETE FORM	ICF
ISOLATED GROUND	IG
INCH	IN
INSULATION (D) (ION)	INSUL

JANITOR'S CLOSET	JC
LAMINATE (D)	LAM
LAVATORY	LAV
LIVELOAD	LL
LOW POINT	LP
MAXIMUM	MAX
MATERIAL	MATL
MECHANICAL	MECH
MANUFACTURE (R) (D)	MFR (D)
MINIMUM	MIN
MIRROR	MIR
MASONRY OPENING	MO
METAL	MTL
NORTH	N
NOT IN CONTRACT	NIC
NUMBER	NO
NOMINAL	NOM
NOT TO SCALE	NTS
OVERALL	OA
ON CENTER	OC
OVERHEAD OR OPPOSITE HAND	OH
OPENING	OPNG
OPPOSITE	OPP
POURED CONCRETE	PC
PLATE	PL
PLASTIC	PL
LAMINATE	LAM
PANEL	PNL
PARTITION	PTN
POLYVINYL CHLORIDE	PVC
RISER	R
RAISED ACCESS	RA
RADIUS	RAD
REFLECTED CEILING PLAN	RCP
ROOF DRAIN	RD
RTU ROOF TOP UNIT	RO
REFERENCE	REF
REFRIGERATOR	REFG
REINFORCED	REINF
RESILIENT	RES
ROOFING	RFG
ROOM	RM
ROUGH OPENING	RO
SOUTH	S
SPLASH BLOCK	SB
SOLID CORE WOOD DOOR	SCW
STORM DRAIN	SD
SECTION	SECT
SQUARE FOOT	SF
SIMILAR	SIM
STRUCTURAL INSULATED PANEL	SIP
SPECIFICATION(S)	SPEC(S)
SPRINKLER	SPR
SQUARE	SQ
SECONDARY ROOF DRAIN	SRD
STANDARD	STD
STEEL	STL
STORAGE	STOR
SUSPENDED	SUSP
TREAD	T
TELEPHONE	TEL
THICK(NESS)	THK
TOP OF STEEL	TOS
TOP OF TYPICAL	TYP
UNLESS OTHERWISE NOTED	UON
VINYL COMPOSITE TILE	VCT
VIDEO DISPLAY TERMINAL	VDT
VERIFY IN FIELD	VIF
VINYL WALL COVERING	VWC
WEST	W
WITH	W/
WALL BASE	WB
WATER CLOSET	WC
WOOD	WD
WIRE MESH	WM
WITHOUT	W/O
WATERPROOFING	WP
WELDED WIRE MESH	WWM
WELDED WIRE FABRIC	WWF

3 GENERAL NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH PROVISIONS OF LOCAL, STATE, AND FEDERAL, LAWS, ORDINANCES, AND REGULATIONS WHEREVER APPLICABLE. NOTIFY DESIGNATED REPRESENTATIVE OF ANY WORK FOUND NOT TO BE IN COMPLIANCE PRIOR TO COMMENCEMENT OF WORK.
2. EACH CONTRACTOR SHALL BECOME FAMILIAR WITH THE SCOPE OF WORK AND SHALL BE HELD TO HAVE VISITED THE SITE AND TO HAVE VERIFIED ALL EXISTING CONDITIONS PRIOR TO SUBMISSION OF BID.
3. IN ALL CASES, DRAWINGS SHALL NOT BE SCALED FOR INFORMATION. FIGURED DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD.
4. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL FIELD DIMENSIONS AND JOB CONDITIONS, AND SHALL NOTIFY THE DESIGNATED REPRESENTATIVE OF ANY DISCREPANCIES, CONFLICTS, AND/OR OMISSIONS WHICH WOULD INTERFERE WITH THE SATISFACTORY COMPLETION OF THE WORK. SHOULD HE FAIL TO FOLLOW THIS PROCEDURE AND CONTINUE WITH THE WORK, HE SHALL ASSUME ALL RESPONSIBILITY AND LIABILITY ARISING THEREFROM. ALL DIMENSIONS ARE SHOWN TO FACE OF FINISHES UNLESS OTHERWISE NOTED.
5. ALL ITEMS OF WORK IDENTIFIED ON THE DRAWINGS BY NAME, NOTE, OR MATERIAL DESIGNATION ARE NEW, UNLESS OTHERWISE NOTED.
6. ALL NEW MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS LATEST PRINTED SPECIFICATIONS, AND WITH ALL APPLICABLE CODE REQUIREMENTS.
7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH BEST STANDARD TRADE PRACTICES. EACH TRADE SHALL COOPERATE WITH OTHER TRADES TO FACILITATE JOB SCHEDULING AND COMPLETION.
8. PROPRIETARY NAMES IDENTIFY SPECIFIC PRODUCTS OR ITEMS THAT ARE TO BE PROVIDED. NO SUBSTITUTIONS ARE PERMITTED UNLESS AUTHORIZED IN WRITING BY THE DESIGNATED REPRESENTATIVE.
9. GC IS RESPONSIBLE FOR PROTECTING WORK AREAS AND MATERIALS FROM THEFT, VANDALISM, AND OTHER LOSSES.
10. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJOINING REMAINING AREAS AS A RESULT OF HIS WORK, AND SHALL REPAIR DAMAGED SURFACES TO THEIR PRE–EXISTING CONDITIONS OR AS MAY BE REQUIRED TO COMPLETE THE ENTIRE SCOPE OF THE WORK.
11. GC IS RESPONSIBLE FOR PROTECTING ALL FINISHED SURFACES FROM UNWANTED PAINT, DIRT, OR OTHER DELETERIOUS MATERIALS.
12. ALTERATIONS TO EXISTING WORK SHALL BE PATCHED AND FINISHED, AS NECESSARY, TO MATCH EXISTING CONTIGUOUS SURFACES OR NEW FINISHES SHOWN.
13. AT THE COMPLETION OF EACH WORKDAY, EACH TRADE SHALL BE RESPONSIBLE FOR CLEANING UP THEIR WORK. RUBBISH REMOVAL SHALL BE DONE IN A DUST INHIBITIVE FASHION, AND THE JOB SITE SHALL BE FREE OF ALL DEBRIS AND BROOM CLEAN UPON COMPLETION.
14. CLEAN ALL FLOORS, WALLS, DOORS, FIXTURES, LIGHTS, MISCELLANEOUS GLASS, ETC. LEAVING JOB FREE OF DUST AND DEBRIS, PRIOR TO PROJECT COMPLETION.
15. GC IS RESPONSIBLE FOR FINAL PATCHING, PAINT TOUCH–UP, AND CLEANING TO LEAVE ALL WORK, INCLUDING WORK PERFORMED UNDER SEPARATE CONTRACTS, CLEAN AND READY FOR OCCUPANCY.
16. EXISTING EQUIPMENT AND MATERIALS TO BE REMOVED, WHICH ARE NOT REQUIRED TO BE RELOCATED OR RETAINED BY THE OWNER AND/OR THE DESIGNATED REPRESENTATIVE, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE REMOVED FROM THE PREMISES.
17. INDICATIONS OF WORK TO BE REMOVED ARE GENERAL ONLY, AND ARE NOT INTENDED TO SHOW ALL ITEMS WHICH MAY REQUIRE REMOVAL. SUCH ITEMS SHALL BE REMOVED, RELOCATED, AND/OR REINSTALLED, AS REQUIRED FOR INSTALLATION OF NEW WORK.
18. THESE DOCUMENTS DO NOT AUTHORIZE DETERMINING THE PRESENCE, NOR THE REMOVAL, OF ASBESTOS OR OTHER HAZARDOUS MATERIALS. IF DURING THE COURSE OF THE PROJECT, ASBESTOS OR OTHER HAZARDOUS MATERIAL CONTAMINATION IS SUSPECTED, THE CONTRACTOR SHALL NOTIFY THE DESIGNATED REPRESENTATIVE WITHIN 24 HOURS. CONTRACTOR SHALL SUSPEND WORK IN THE AFFECTED AREA UNTIL SUCH A TIME THAT SAID AREA IS CERTIFIED CONTAMINATION–FREE. IN THE INTERIM, THE CONTRACTOR SHALL ENDEAVOR TO RESCHEDULE WORK TO AREAS UNAFFECTED BY SUSPECTED CONTAMINATION IN ORDER TO MINIMIZE DELAY TO THE PROJECT SCHEDULE.
19. DRYWALL CONSTRUCTION:
    A. PROVIDE SIZES AND TYPES AS SHOWN ON THE DRAWINGS, TAPED AND SPACKLED WITH THREE (3) COATS AND SANDED SMOOTH.
    B. METAL STUDS SHALL BE MINIMUM 20 GA (33 MILS)., UNLESS OTHERWISE NOTED. FASTEN AT 24" O.C. MAXIMUM UTILIZING FASTENERS SUITABLE FOR THE SUBSTRATE.
    C. PROVIDE ALL METAL CORNER BEADS, STOPS, EDGE TRIM, CASINGS, BEADS, ETC. AS REQUIRED TO FINISH ALL DRYWALL SURFACES WITH FLUSH, LEVEL EDGES.
    D. USE FIRE CODE "X" GYPSUM BOARD WHERE REQUIRED TO OBTAIN FIRE RATINGS PER APPLICABLE BUILDING CODES.
    E. UTILIZING MOISTURE RESISTANT GYPSUM BOARD AT ALL "WET" AREAS.
20. SEE REFLECTED CEILING PLANS FOR CEILING REQUIREMENTS.
21. SEE DOOR SCHEDULE FOR DOOR AND FRAME REQUIREMENTS.
22. PAINT FOR DRYWALL, CONCRETE, AND MASONRY SHALL BE TWO (2) COATS OF BENJAMIN MOORE "EXOSPEC" EGGSHELL LATEX PAINT OVER ONE (1) COAT OF A COMPATIBLE BENJAMIN MOORE QUICK DRY PRIME–SEAL LATEX PRIMER. PAINT FOR MISCELLANEOUS METALS AND TRIM SHALL BE TWO (2) COATS OF BENJAMIN MOORE ODORLESS INTERIOR SEMI–GLOSS "ECOSPEC" PAINT OVER ONE (1) COAT OF A COMPATIBLE BENJAMIN MOORE RUST–INHIBITIVE PRIMER.
23. CERAMIC FLOOR AND WALL TILE SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE TILE COUNCIL OF NORTH AMERICA HANDBOOK.
24. FLAME SPREAD OF ALL INTERIOR FINISHES SHALL MEET OR EXCEED CLASS "B" (ASTM–E–84) (26 TO 75 FLAME SPREAD AND SMOKE DENSITY OF 450 MAX, PER IBC TABLE 803.9).
25. PROVIDE DRY CHEMICAL "A–B–C" OR TYPE APPROPRIATE FOR THE HAZARD TYPE ENCOUNTERED, 10 lb. CAPACITY FIRE EXTINGUISHERS (F.E.), WHERE INDICATED ON THE FLOOR PLANS AND/OR AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION.
26. ALL PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE IN FULL CONFORMANCE WITH THE APPLICABLE EDITIONS OF THE PLUMBING CODE, MECHANICAL CODE AND BUILDING CODE (RESPECTIVELY), AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
27. PLUMBING WORK SHALL BE INSTALLED BY A PLUMBER LICENSED WITH THE AUTHORITY HAVING JURISDICTION IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODE AND NATIONAL PLUMBING CODES. GC TO COORDINATE SLAB AND WALL DEMOLITION, AND PATCHBACK NECESSARY FOR PLUMBING WORK.
28. ELECTRICAL WORK SHALL BE INSTALLED BY AN ELECTRICIAN LICENSED WITH THE AUTHORITY HAVING JURISDICTION IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE AND NATIONAL ELECTRICAL CODES. AN ELECTRICAL INSPECTION CERTIFICATE SHALL BE OBTAINED FROM AN INSPECTION AGENCY RECOGNIZED BY THE AUTHORITY HAVING JURISDICTION FOR ALL ELECTRICAL WORK, AND SUPPLIED TO THE DESIGNATED REPRESENTATIVE.
29. ALL WOOD FRAMING, BLOCKING, ETC, SHALL BE FIRE TREATED.
30. ALL WOOD FRAMING, BLOCKING, ETC, IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED AND SET IN MASTIC.
31. PROVIDE ANY AND ALL FIRE RETARDANT TREATED WOOD BLOCKING/BACKING OR 14 GA. GALV. FLAT STOCK BACKING AS REQUIRED TO ENSURE PROPER AND ADEQUATE SUPPORT (IN COMPLIANCE WITH BUILDING CODE MINIMUM LOADING REQUIREMENTS WHERE APPLICABLE) OF VARIOUS ITEMS INCLUDING, BUT NOT NECESSARILY LIMITED TO, HANDRAILS, CABINETRY, SHELVING, HANDICAP GRAB BARS, TOILET ACCESSORIES, CABLE TRAYS, CONDUITS, ETC.
32. ALL HANDICAP ACCESSIBILITY WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH 2010 ADA, ICC ANSI A117.1–2009, AND BUILDING CODE HANDICAP ACCESSIBILITY GUIDELINES AND REFERENCE STANDARDS.
33. GENERAL CONTRACTOR AND EACH SUB–CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIREMENTS AND ITEMS OF WORK THAT MAY BE REQUIRED TO PROVIDE FOR AND/OR ACCOMMODATE WORK OF OTHER TRADES INCLUDING WORK OF DESIGNATED REPRESENTATIVE SELECTED SECURITY VENDORS, COMMUNICATION VENDORS, AND OTHER VENDORS AS MAY BE ENGAGED. NO EXTRA WILL BE ENTERTAINED DUE TO THE LACK OF SUCH COORDINATION.
34. CONTRACTOR SHALL SUBMIT TO DESIGNATED REPRESENTATIVE ALL CUTS, M.S.D.S. SHEETS, AND SAMPLES OF FINISHES, EQUIPMENT & MATERIALS FOR APPROVAL PRIOR TO ORDERING, FABRICATION, OR COMMENCEMENT OF THE WORK. ALL SUBMISSIONS SHALL BE PROVIDED IN SETS OF FIVE (5) AND TIMED SUCH THAT MATERIAL DELIVERIES & INSTALLATION ACCOMMODATE THE SCHEDULE & COMPLETION DATE ESTABLISHED BY THE DESIGNATED REPRESENTATIVE.
35. FOR PORTIONS OF THE BUILDING THAT REMAIN OCCUPIED DURING CONSTRUCTION, CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY PARTITIONS, DUST PROTECTION AND SEPARATION REQUIRED TO PROVIDE OCCUPANTS WITH SAFE EGRESS, AND ACCESS TO REQUIRED FACILITIES (I.E. RESTROOMS, ELEC. CLOSETS, ETC.) CONTRACTOR SHALL MINIMIZE DISRUPTION TO OCCUPANTS AS A RESULT OF NOISE, TRAFFIC, PARKING, SITE AND BUILDING ACCESS, ETC.
36. CONTRACTOR SHALL PROVIDE A MINIMUM OF 72 HOURS WRITTEN NOTICE TO DESIGNATED REPRESENTATIVES FOR ANY PLANNED DISRUPTIONS OF BUILDING PLUMBING, MECHANICAL, ELECTRICAL, OR OTHER CRITICAL SYSTEMS SERVICING THE TENANT SPACE.
37. ALL INTENSIVE NOISE PRODUCING ACTIVITIES SUCH AS CORE DRILLING, CONCRETE SLAB CUTTING OR CHOPPING MAY BE PERFORMED OFF HOURS. COORDINATE REQUIREMENTS WITH DESIGNATED REPRESENTATIVES AND INCORPORATE INTO BASE BID.
38. IT IS NOT THE INTENT TO SHOW EACH AND EVERY PART OR COMPONENT OF ANY GIVEN ASSEMBLY, BUT RATHER TO SHOW SYSTEMS IN PLACE DEPICTING THE DESIRED END PRODUCT. CONTRACTOR SHALL PROVIDE ANY AND ALL PERIPHERAL ITEMS THAT MAY REASONABLY BE UNDERSTOOD AS BEING NECESSARY FOR THE COMPLETE AND PROPER EXECUTION OF THE WORK. THE COST FOR THESE ITEMS SHALL BE INCORPORATED INTO THE CONTRACTORS BASE BID. NO EXTRA WILL BE ENTERTAINED DUE TO LACK OF INCLUSION IN THE WORK.
39. THE DESIGNATED REPRESENTATIVE, THE ARCHITECT AND/OR THEIR CONSULTANTS DO NOT IMPLY, NOR DO THEY ASSUME RESPONSIBILITY FOR, THE METHOD OF DEMOLITION AND CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SHORING, BRACING, AND PROTECTION OF EXISTING AND NEW WORK, AS MAY BE REQUIRED FOR PROTECTING THE INTEGRITY OF THE STRUCTURE, AND FOR ENSURING THE SAFETY OF ITS OCCUPANTS.
40. REFER TO DECOR COMPANY DRAWINGS FOR FINISH PRODUCT SPECIFICATIONS. (SEE NOTE 24 FOR ADDITIONAL REQUIREMENTS). G.C. TO COORDINATE ORDERING OF PRODUCTS WITH DECOR VENDOR.
41. REFER TO DECOR COMPANY DRAWINGS FOR SEATING LAYOUT, ADDITIONAL FRONT COUNTER INFORMATION, CEILING HEIGHTS, AND FINISHES.
42. AT PRE–CON MEETING, GC TO VERIFY POWER AND DATA REQUIREMENTS FOR CREW ROOM.
43. DECORATIVE MATERIALS SHALL BE FLAME RETARDANT AND MEET THE CRITERIA OF NFPA 701.
44. DECORATIVE MATERIALS SHALL NOT CONCEAL EXITS. EXIT LIGHTS, ALARM STATIONS, HOSE CABINETS AND EXTINGUISHER LOCATIONS.
45. WHEN BUILDING TYPE IS A NON–COMBUSTIBLE CATEGORY, ALL PLYWOOD SHALL BE FIRE RETARDANT TREATED.
46. A. FRP OVER CEMENT BD BEHIND 3–COMP SINK TO HEIGHT OF BACK SPLASH.
    B. TILE WAINSCOTT TO 6' A.F.F. OVER CEMENT BD. OVER EXT GRADE PLYWOOD (NOTE 4) AT MOP SINKS.
47. PROVIDE CEMENT BOARD BACKER OR EQUIVALENT AT ALL TILE LOCATIONS.
48. PROVIDE VAPOR BARRIER BEHIND PLYWOOD AT WALLS AND BEHIND GYP. BD. AT CEILING.
49. SEE CEILING PLAN FOR HEIGHTS & LAYOUTS.
50. VWC ON EXTERIOR WALL ASSEMBLIES TO BE PERFORATED.
51. CONSTRUCTION ADMINISTRATION SERVICES NOTE:
    EBI CONSULTING HAS NOT BEEN ENGAGED TO PROVIDE CONSTRUCTION ADMINISTRATION SERVICES. JOSHUA W. CARRELL (ARCHITECT OF RECORD) IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE; AND THAT THE ARCHITECT OF RECORD IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THE DOCUMENTS HAVE BEEN MADE.

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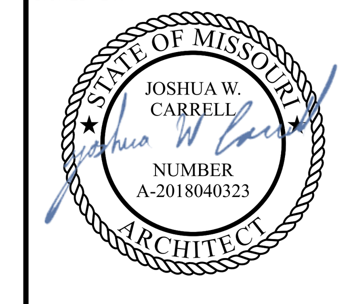

DATE: 01/04/2021

NAME: JOSHUA CARRELL

LICENSE NO: ARC07675

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1	SAO INCORPORATED	01/11/20	OWJ

DRAWN BY	REVIEWED BY	STD ISSUE DATE	DATE ISSUED	SITE ID NO.
JEC	PKG	2019	2019	3172

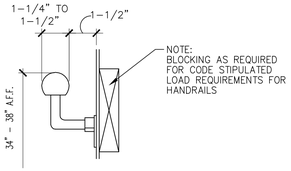
PROJECT TITLE: MCDONALD'S RESTAURANT KC–103 ST: 2020 MOD C

SHEET TITLE: GENERAL NOTES, SYMBOLS AND ABBREVIATIONS

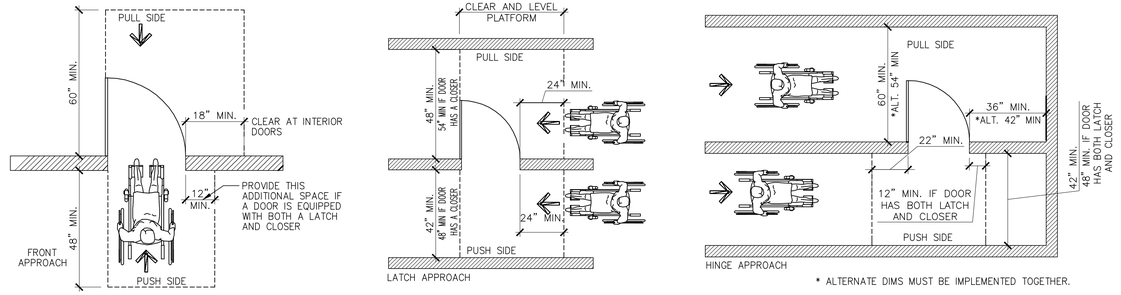
SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114

PROJECT NO. 4118000362

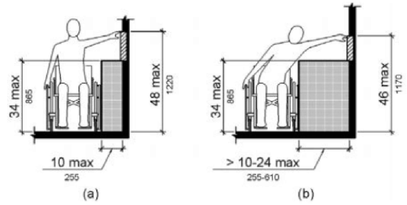
SHEET NO. **G1.0**



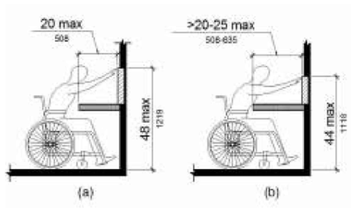
1 HANDRAIL SCALE: N.T.S.



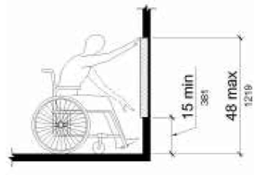
2 ACCESSIBLE DOOR APPROACHES SCALE: N.T.S.



3 OBSTRUCTED HIGH SIDE REACH RANGES SCALE: N.T.S.

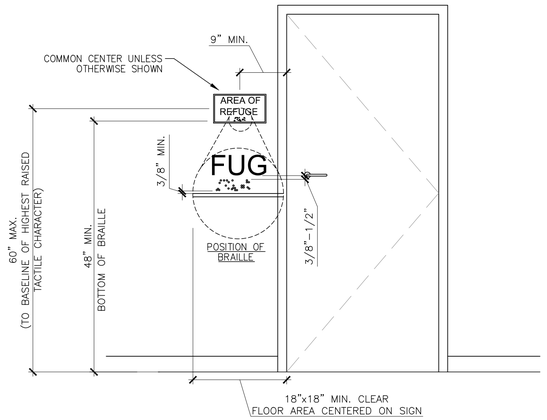


OBSTRUCTED HIGH FORWARD REACH



UNOBSTRUCTED HIGH FORWARD REACH

4 FORWARD REACH RANGES SCALE: N.T.S.

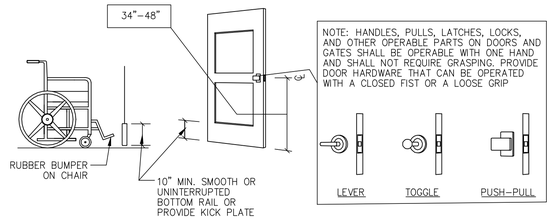


5 STANDARD DIMENSIONS SCALE: N.T.S.

CLOSING SPEED.
DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
SPRING HINGES.
DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM.

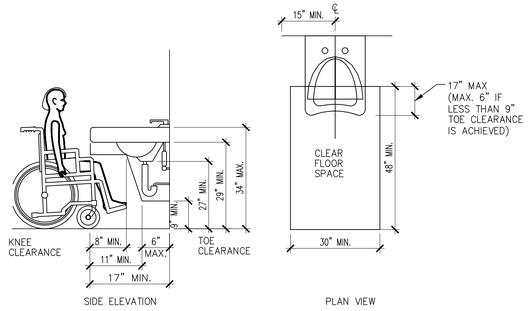
MAX. DOOR CLOSER PRESSURES

5.0 LBS. ..... INTERIOR
8.5 LBS. ..... EXTERIOR
NO. OF LBS DETERMINED BY AHJ..... FIRE*

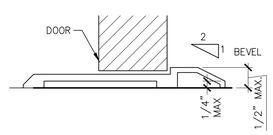


NOTE: HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE GRASPING. PROVIDE DOOR HARDWARE THAT CAN BE OPERATED WITH A CLOSED FIST OR A LOOSE GRIP

6 DOOR CONSTRUCTION AND DOOR HARDWARE SCALE: N.T.S.

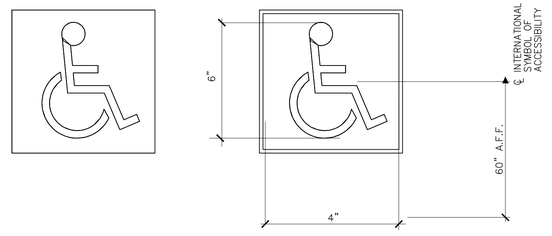


7 KNEE CLEARANCE SCALE: N.T.S.

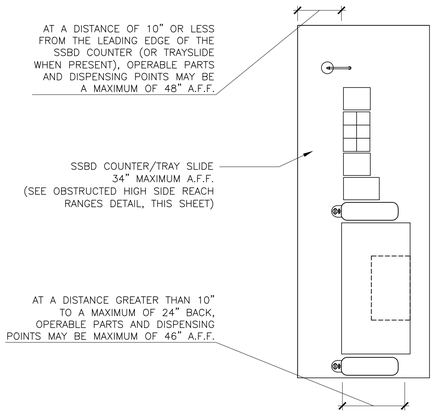


8 DOOR THRESHOLD SCALE: N.T.S.

NOTES:
(APPLICABLE TO DETAIL 5, THIS SHEET, AS WELL.)
1. INFORMATION CONTAINED ON SIGNS WILL BE PRESENTED USING RAISED ARABIC NUMERALS AND BRAILLE SYMBOLS.
2. SYMBOL SHALL CONTRAST WITH DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.
3. ALL SIGNAGE SHALL CONFORM WITH THE FOLLOWING FEDERAL AND STATE LAWS: 2010 AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES, ICC/ANSI A117.1-2009 GUIDELINES, AND CHAPTER 11 OF THE INTERNATIONAL BUILDING CODE PLUS LOCAL AMENDMENTS AND SUPPLEMENTS.



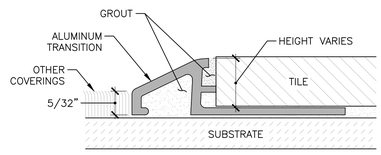
9 INTERNATIONAL SYMBOL OF ACCESSIBILITY SCALE: N.T.S.



10 SELF SERVICE BEVERAGE BAR DETAIL

DIMENSIONS SHOWN ON THIS AND OTHER DRAWINGS DEPICT PROPER DIMENSIONS FOR COMPLIANCE WITH ICC/ANSI A117.1-2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, AND 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN GUIDELINES. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS TO DETERMINE IF COMPLIANCE WILL BE ACHIEVED BASED UPON THE SCOPE OF WORK SHOWN ON THE DRAWINGS. CONTRACTOR SHALL MAKE ADJUSTMENTS TO FIXTURE PLACEMENT AS REQUIRED TO ACHIEVE COMPLIANCE. THE COST FOR MAKING SUCH ADJUSTMENTS SHALL BE INCORPORATED INTO THE CONTRACTOR'S BASE BID. IN THE EVENT EXISTING CONDITIONS PRECLUDE COMPLIANCE OR IF SIGNIFICANT ADJUSTMENTS ARE REQUIRED, CONTRACTOR SHALL NOTIFY THE DESIGNATED REPRESENTATIVE. NO EXTRA WILL BE ENTERTAINED IF THE FOREGOING PROCEDURE IS NOT FOLLOWED.

11 HANDICAP ACCESSIBILITY NOTE



SCHLUTER SYSTEMS
SLOPED FLOOR TRANSITIONS
(SCHLUTER-RENO-U, OR APPROVED EQUAL)

12 TYPICAL FLOOR TRANSITION SCALE: N.T.S.

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SIGNED BY:

DATE: 01/04/2021
NAME: JOSHUA CARRELL
LICENSE NO: ARC07675

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CHECKED BY: PKG
CP ISSUE DATE: 2019
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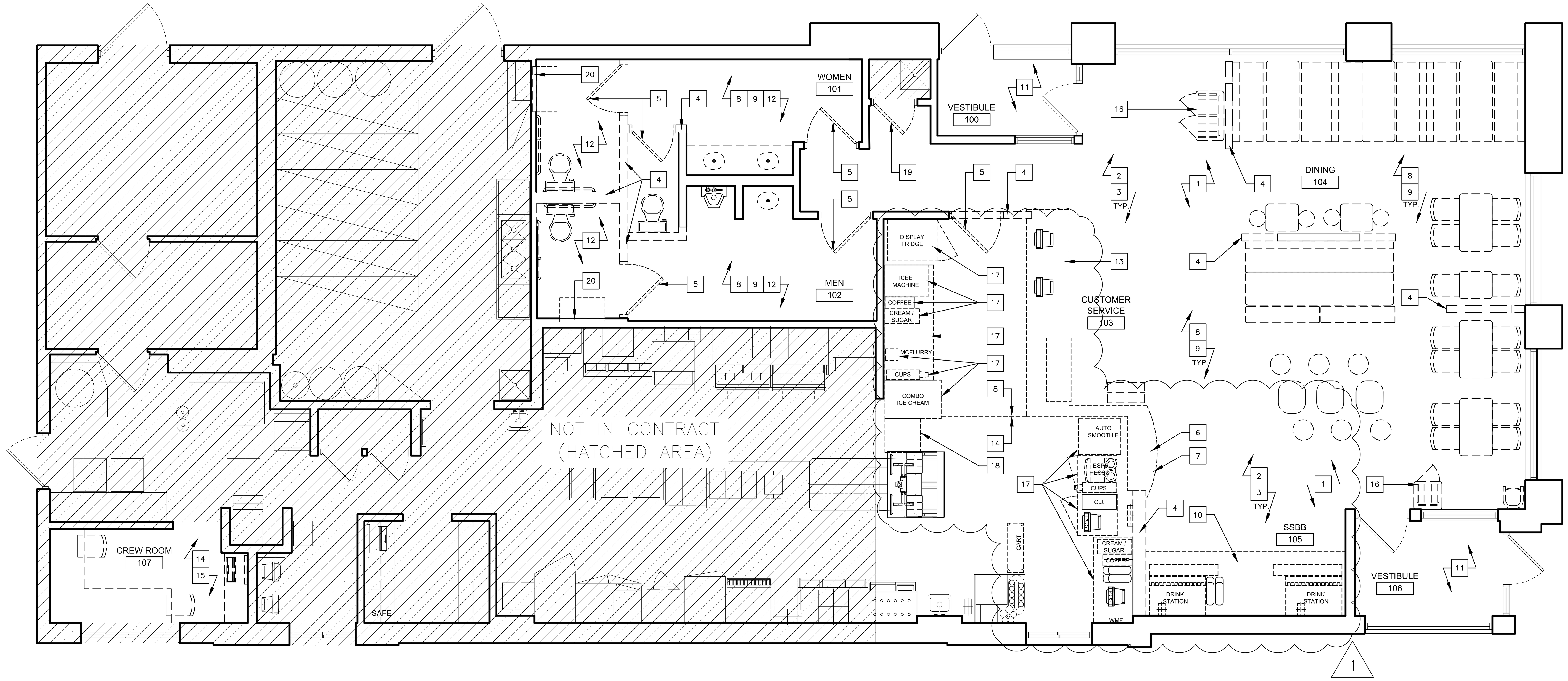
EST. ID NO.: 3172

PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST: 2020 MOD C
SHEET TITLE: HANDICAP ACCESSIBILITY STANDARDS
SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114

PROJECT NO. 4118000362
SHEET NO. G2.0



1 / D1.0 **DEMOLITION FLOOR PLAN**

SCALE: 1/4" = 1'-0"

NORTH

DEMOLITION NOTES

1. GENERAL CONTRACTOR (G.C.) AND HIS SUB-CONTRACTORS SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATORY AGENCIES AND THEIR CODES AND REGULATIONS FOR NEW CONSTRUCTION AND DEMOLITION WORK.
2. REFER TO GENERAL NOTE 18, DWG G1.0 FOR REQUIREMENTS PERTAINING TO DISCOVERY OF HAZARDOUS MATERIALS.
3. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNATED REPRESENTATIVE FOR CLARIFICATION AND AMENDMENT AS REQUIRED. COORDINATE LOCATION AND SIZE OF ALL REQUIRED OPENINGS IN EXISTING FLOOR WITH ARCHITECTURAL FLOOR PLAN AND WITH PLUMBING AND ELECTRICAL DRAWINGS.
4. COORDINATE PHASING OF ALL DEMOLITION WORK WITH MCDONALD'S REPRESENTATIVE AND WITH STORE REPRESENTATIVE. CONTRACTORS STORAGE AND STAGING AREAS ON SITE SHALL BE AS APPROVED BY THE MCDONALD'S AND FRANCHISE REPRESENTATIVES.
5. REMOVE ALL ITEMS AS INDICATED ON PLANS. SEE SYMBOLS/LEGEND ON DRAWING G1.0. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
6. DEMOLITION DRAWINGS SHOW THE GENERAL SCOPE OF DEMOLITION AND SHALL NOT BE LIMITED TO THE CONTENTS OF THE DEMOLITION DRAWINGS. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION TO ASCERTAIN ALL WORK REQUIRED TO FACILITATE THE NEW CONSTRUCTION AS DESCRIBED HEREIN.
7. WALLS OF THIS BUILDING MAY SUPPORT PORTIONS OF THE EXISTING FLOOR OR ROOF FRAMING. G.C. SHALL COORDINATE REMOVALS OF SELECTED PORTIONS OF SUCH WALLS FOR THE PURPOSE OF CREATING NEW MASONRY OPENINGS WITH RELATED TRADES.
8. PRIOR TO REMOVAL OR CUTTING OF OPENINGS THROUGH STRUCTURAL WALLS AND SLABS, CONTRACTOR SHALL PROVIDE ADEQUATE SHORING FOR STRUCTURAL LOADS. SUPPORTS SHALL NOT BE REMOVED UNTIL NEW STRUCTURAL SYSTEM IS IN PLACE. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE OR ALTER ANY EXISTING STRUCTURAL MEMBERS. THE ARCHITECT AND OWNER SHALL BE NOTIFIED IMMEDIATELY IF ANY DAMAGE OCCURS OR IS DISCLOSED DURING DEMOLITION.
9. DO NOT REMOVE ITEMS SUPPORTING OTHER MEMBERS WITHOUT PROVIDING TEMPORARY OR PERMANENT BRACING AS REQUIRED.
10. ADEQUATELY PROTECT AND SECURE ALL PENETRATIONS AND OPENINGS IN THE EXTERIOR BUILDING ENVELOPE, DUE TO REMOVAL AND/OR CONSTRUCTION FROM ALL MANNER OF FOUL WEATHER AND UNIMPEDED PERSONAL ENTRY.
11. ALL ABANDONED UTILITY LINES ARE TO BE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL BACK TO ITS SOURCE. (INCLUDING ALL HANGARS, STRAPS, WIRES, ETC.) OF ANY ELECTRICAL, PLUMBING, GAS LINES, AND MECHANICAL DUCTWORK THAT ARE DISCOVERED AND NOT SCHEDULED FOR REUSE. GC IS RESPONSIBLE FOR REROUTING AND CONTINUATION OF ANY SYSTEM THAT MUST BE RETAINED FOR ADJACENT BUILDING AREAS THAT ARE NOT INCLUDED IN THIS CONTRACT. SEE PLUMBING AND ELECTRICAL DEMO DRAWINGS FOR ADDITIONAL INFORMATION. WHEN ITEMS ARE SHOWN AS DEMOLISHED ALL ASSOCIATED ABANDONED CONDUIT, WIRE HANGERS, STRAPS, AND SUPPORTS MUST ALSO BE REMOVED. GC IS TO REMOVE ANY EXISTING ABANDONED HANGARS, CONDUIT, DUCTWORK, ETC. FOUND ABOVE THE CEILING.
12. FLUORESCENT LAMPS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL CODES AND GUIDELINES PRIOR TO THE COMMENCEMENT OF CEILING ASSEMBLY REMOVAL. CARE SHALL BE TAKEN IN THE HANDLING AND DISPOSAL OF ALL LAMPS. IF LAMPS ARE BROKEN, PROPERLY CLEAN UP HAZARDOUS MATERIAL IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL CODES AND GUIDELINES.

13 PROVIDE WRITTEN NEW SEQUENCE OF OPERATIONS FOR REMOVAL WORK TO DESIGNATED REPRESENTATIVES FOR REVIEW PRIOR TO START OF WORK. INCLUDE COORDINATION FOR SHUT-OFF, CAPPING AND CONTINUATION OF UTILITY SERVICES AS REQUIRED, TOGETHER WITH DETAILS FOR DUST AND NOISE CONTROL PROTECTION, TO ENSURE UNINTERRUPTED CONTINUITY OF ON-GOING OCCUPANT ACTIVITIES.

14. PORTIONS OF THE BUILDING (FIRST FLOOR) IMMEDIATELY ADJACENT TO AREAS OF REMOVAL WILL REMAIN OCCUPIED. CONDUCT REMOVAL WORK IN A MANNER THAT WILL MINIMIZE NEED FOR DISRUPTION TO THE OCCUPANTS NORMAL OPERATIONS. PROVIDE MINIMUM OF 72 HOURS WRITTEN ADVANCE NOTICE TO THE DESIGNATED REPRESENTATIVES OF REMOVAL ACTIVITIES THAT WILL AFFECT OPERATIONS AND ONE WEEK WRITTEN ADVANCE NOTICE TO DESIGNATED REPRESENTATIVES FOR ANY REQUIRED SHUTDOWNS OF BASE BUILDING PLUMBING, MECHANICAL, ELECTRICAL, OR OTHER CRITICAL SYSTEMS. OWNER AND DESIGNATED REPRESENTATIVE DO NOT ASSUME RESPONSIBILITY FOR ACTUAL CONDITION OF COMPONENTS OR STRUCTURE TO BE REMOVED.
15. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO GOVERNING AUTHORITIES.
16. GC IS TO PROVIDE TEMPORARY DUST-PROOF PARTITIONS AND BARRIERS TO PROTECT THE PUBLIC AND OTHER OCCUPIED AREAS OF THE BUILDING FROM ANY POTENTIAL CONSTRUCTION HAZARDS OR CONTAMINATION. BARRIERS ARE TO BE METAL FRAME CONSTRUCTION WITH A PAINTED PLYWOOD FACE AND PLASTIC SHEETING. SEE DETAIL 6, DRAWING A4.3 FOR TEMPORARY PARTITION.
17. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR WASTE DISPOSAL AND COORDINATE THESE ARRANGEMENTS WITH THE FRANCHISE REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING FROM THE SITE, ALL RUBBLE AND DEBRIS CAUSED BY DEMOLITION, AND DISPOSING OF IT IN A PROPER MANNER OFF PROPERTY.
18. GC SHALL PROTECT ALL ITEMS SHOWN TO REMAIN AND REPLACE AND/OR REPAIR ANY DAMAGED ITEMS OR CONSTRUCTION.
19. THE GC SHALL COORDINATE THE DISPOSITION OF ALL EXISTING EQUIPMENT AND FIXTURES TO BE REMOVED WITH THE FRANCHISE REPRESENTATIVE BEFORE DISCARDING. ALL ITEMS LISTED TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.
20. WHERE WALLS, PARTITIONS, FLOORING, ACCESSORIES OR OTHER TYPES OF CONSTRUCTION ARE REMOVED, PATCH AND REPAIR ADJACENT AREAS AS REQUIRED TO RECEIVE NEW CONSTRUCTION OR FINISHES OR TO MATCH ADJACENT SURFACES. GC TO MAINTAIN ALL EXISTING AND REQUIRED FIRE RATED CONSTRUCTION THROUGHOUT TENANT'S SPACE.
21. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGNATED REPRESENTATIVE OF THE DISCOVERY OF ANY STRUCTURAL OR OTHER SIGNIFICANT BUILDING ELEMENTS PREVIOUSLY CONCEALED WITHIN EXISTING CONSTRUCTION THAT IS BEING REMOVED.

KEY NOTES

1	EXISTING SEATING TO BE REMOVED, TYPICAL.
2	EXISTING WALLS TO REMAIN, U.O.N.
3	EXISTING DOORS TO REMAIN, U.O.N.
4	EXISTING NON-BEARING WALL TO BE REMOVED.
5	EXISTING DOOR AND FRAME TO BE REMOVED.
6	EXISTING McCAFE DECORATIVE GLAZING TO BE REMOVED. COORDINATE WITH INTERIOR DECOR DRAWINGS.
7	EXISTING LOW WALL AT McCAFE TO BE REMOVED. PREP WALL TO RECEIVE NEW FINISH.
8	EXISTING FINISH FLOORING AND WALL BASE TO BE REMOVED TO EXISTING SUBFLOOR AND WALL SUBSTRATE. PREP SUBFLOOR AND WALL AS REQUIRED TO RECEIVE NEW FLOORING AND WALL FINISHES PER INTERIOR DECOR DRAWINGS.
9	EXISTING WALL TILE TO BE REMOVED TO EXISTING SUBSTRATE. PREP EXISTING WALL SURFACE AS REQUIRED TO RECEIVE NEW WALL FINISHES PER INTERIOR DECOR DRAWINGS.
10	EXISTING BEVERAGE BAR TO BE REMOVED. (1)
11	DEMO ALL FINISHES AT VESTIBULE AND PREP FOR NEW FINISHES. REFER TO DECOR DRAWINGS FOR NEW FINISHES.
12	REMOVE ALL EXISTING PLUMBING FIXTURES AND ACCESSORIES THROUGHOUT TOILET ROOMS. REFER TO A1.2 FOR ADDITIONAL INFORMATION.
13	REMOVE EXISTING SERVICE COUNTER.
14	EXISTING FLOOR AND BASE TO REMAIN. IF DAMAGED, GC TO REPAIR OR REPLACE.
15	CREW ROOM FURNITURE AND EQUIPMENT REMOVALS TO BE COORDINATED WITH INTERIOR DECOR DRAWINGS AND OWNER/OPERATOR.
16	EXISTING TRASH RECEPTACLE TO BE REMOVED AND REPLACED – SEE INTERIOR DECOR DRAWINGS.
17	EXISTING KITCHEN EQUIPMENT TO BE RELOCATED.
18	EXISTING KITCHEN EQUIPMENT TO BE REMOVED.
19	EXISTING DOOR TO BE REMOVED. EXISTING FRAME TO REMAIN.
20	EXISTING RECESSED MOUNTED BABY CHANGING TABLE TO BE REMOVED.
21	EXISTING SURFACE MOUNTED BABY CHANGING TABLE TO BE REMOVED. (NOT USED)
22	EXISTING COLUMN TO REMAIN. (NOT USED)
23	EXISTING ANSUL PULL TO BE RELOCATED. (NOT USED)

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SIGNED BY:

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DATE: 01/04/2021

NAME: JOSHUA CARRELL

LICENSE NO: ARC07675

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SUBMITTAL

NO.	DESCRIPTION	DATE	BY
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1	SAO INCORPORATED	01/11/20	OWJ

DRAWN BY	REVIEWED BY	STD ISSUE DATE	DATE ISSUED	SITE ID NO.
JEC	PKG	2019	2019	3172

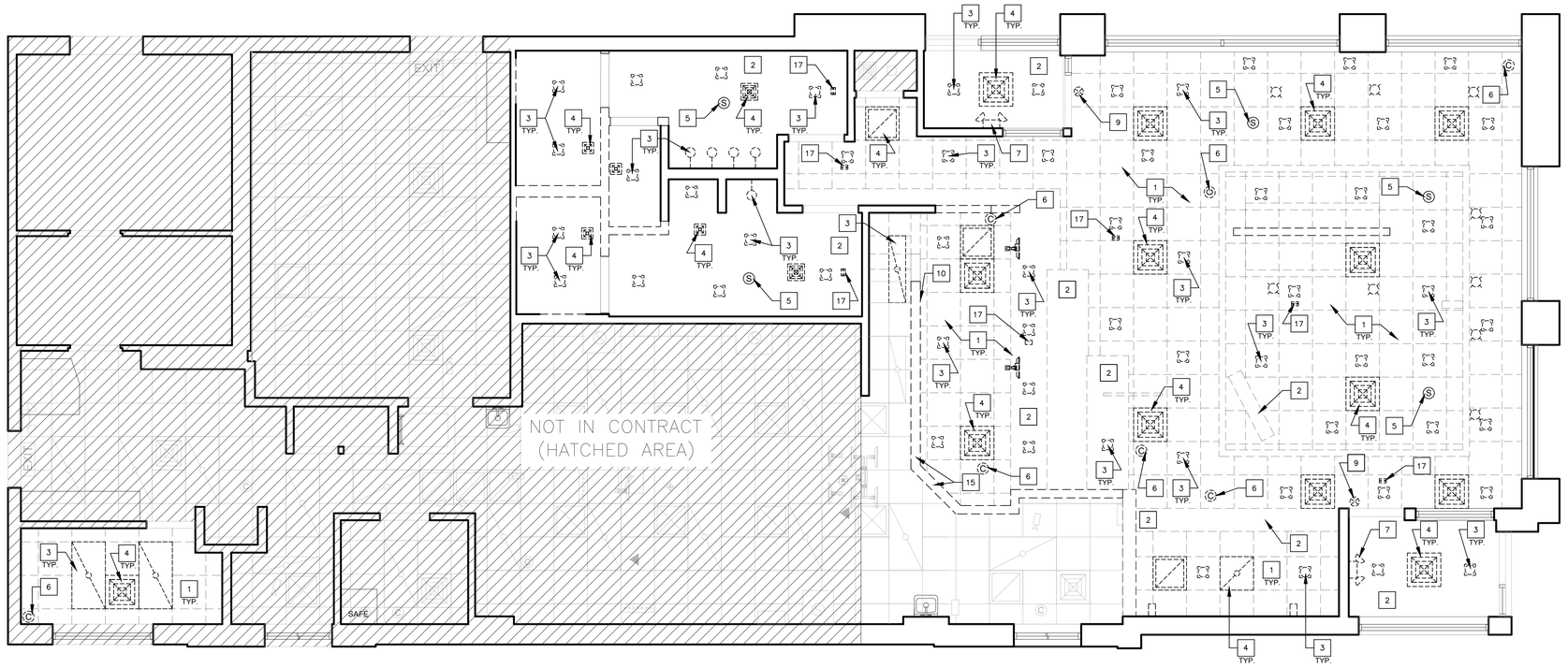
PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST: 2020 MOD C

SHEET TITLE: DEMOLITION FLOOR PLAN

SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114

PROJECT NO. 4118000362

SHEET NO. **D1.0**



1 D1.1 DEMOLITION REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

NORTH

CEILING DEMOLITION NOTES

1. VARIOUS CEILING APPURTENANCES INCLUDING LIGHTING, HVAC SUPPLIES AND RETURNS, FIRE SPRINKLER HEADS, CEILING MOUNTED ELECTRICAL RECEPTACLES, TEMPERATURE SENSORS, CAMERAS, SPEAKERS, ETC. MAY EXIST AND ARE TO BE RELOCATED TO NEW CEILING ASSEMBLIES (VERIFY EXISTENCE IN FIELD).
2. EXACT NUMBER OF CEILING MOUNTED ITEMS TO BE VERIFIED IN FIELD.
3. EXISTING HVAC DUCTWORK TO REMAIN.
4. HVAC SUPPLY AND RETURN AIR ARRANGEMENT AND EXHAUST FAN SYSTEM TO REMAIN AND BE ADAPTED TO NEW OR MODIFIED CEILING ASSEMBLIES. FINAL LOCATIONS OF THESE ITEMS TO BE MINIMALLY ADJUSTED TO ACCOMMODATE NEW CEILING LAYOUTS.
5. IN THE EVENT THAT TOILET ROOM RETURN AIR GRILLES (AS SHOWN ON DRAWINGS) ARE FOUND TO BE CEILING MOUNTED EXHAUST FANS, FANS SHALL REMAIN AND BE THOROUGHLY CLEANED. THE CEILING TRIM SHALL BE REPLACED WITH NEW.
6. TEMPERATURE SENSORS, SPEAKERS, CAMERA, EMERGENCY LIGHT, ILLUMINATED EXIT SIGN, FIRE SPRINKLER SYSTEMS, AND FIRE ALARM COMPONENT ARRANGEMENTS TO REMAIN AND BE ADAPTED TO NEW OR MODIFIED CEILING ASSEMBLIES. FINAL LOCATIONS OF THESE ITEMS TO BE MINIMALLY ADJUSTED TO ACCOMMODATE NEW CEILING LAYOUTS OR AS OTHERWISE REQUIRED TO ACCOMMODATE ANY SIGNIFICANT CHANGES TO THE FLOOR PLAN LAYOUT.
7. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

CEILING LEGEND

(SEE ALSO SYMBOLS / LEGEND ON DRAWING G1.0)

- EXISTING ACOUSTICAL TILE CEILING ASSEMBLY TO BE REMOVED.
- EXISTING DIFFUSER TO BE REMOVED.
- EXISTING RETURN AIR GRILLE TO BE REMOVED.
- FLUORESCENT LAY-IN LIGHT FIXTURE TO BE REMOVED.
- EXISTING HI-HAT LIGHT FIXTURE TO BE REMOVED.
- EXISTING PENDANT LIGHT TO BE REMOVED.
- (S) EXISTING SPEAKERS TO BE REINSTALLED IN NEW CEILING.
- (C) EXISTING CAMERAS TO BE REINSTALLED IN NEW CEILING.
- EXISTING EMERGENCY LIGHT TO BE REMOVED.
- EXISTING COMBINATION EXIT SIGN/EMERGENCY LIGHT TO BE REMOVED.
- EXISTING EXIT SIGN TO BE REMOVED.
- (E) EXISTING HI-HAT LIGHT FIXTURE TO REMAIN AND BE RETROFITTED.
- EXISTING EMERGENCY LIGHT TO REMAIN.
- EXISTING EXIT SIGN TO REMAIN.
- EXISTING SPINKLER TO REMAIN.
- (M) EXISTING MECHANICAL SENSOR TO REMAIN.

KEYNOTES

1. EXISTING ACOUSTICAL TILE CEILING ASSEMBLY TO BE REMOVED.
2. REMOVE EXISTING SOFFIT/CEILING AND SUPPORTING STRUCTURE.
3. EXISTING LIGHTING TO BE REMOVED.
4. EXISTING SUPPLY DIFFUSER/RETURN AIR GRILLE TO BE REMOVED, CLEANED AND PREPARED TO BE REINSTALLED. COORDINATE WITH NEW CEILING GRID LAYOUT.
5. REMOVE AND REINSTALL EXISTING SPEAKER. COORDINATE RE-INSTALLATION WITH NEW CEILING GRID LAYOUT.
6. REMOVE AND REINSTALL EXISTING CAMERA. COORDINATE RE-INSTALLATION WITH NEW CEILING GRID LAYOUT.
7. EXISTING EMERGENCY LIGHT TO BE REMOVED.
8. EXISTING COMBINATION EXIT SIGN/EMERGENCY LIGHT TO BE REMOVED. (NOT USED)
9. EXISTING ILLUMINATED EXIT SIGNS TO BE REMOVED AND REINSTALLED.
10. DIGITAL MENU BOARDS TO BE REMOVED.
11. EXISTING LIGHT FIXTURE TO REMAIN AND BE PREPARED FOR NEW LED RETRO FIT KIT. (NOT USED)
12. COORDINATE NEW FINISH FOR EXISTING CEILING WITH INTERIOR DECOR DRAWINGS. (NOT USED)
13. EXISTING EMERGENCY LIGHT TO REMAIN. (NOT USED)
14. EXISTING COLUMN TO REMAIN. (NOT USED)
15. EXISTING VALANCE TO BE CUT TO 2" BELOW EXISTING CEILING.
16. EXISTING SPRINKLER TO REMAIN. (NOT USED)
17. EXISTING MECHANICAL SENSOR TO REMAIN.

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SIGNED BY:
STATE OF MISSOURI
JOSHUA W. CARRELL
NUMBER A-2018040323
ARCHITECT

DATE: 01/04/2021

NAME: JOSHUA CARRELL
LICENSE NO: ARC07675

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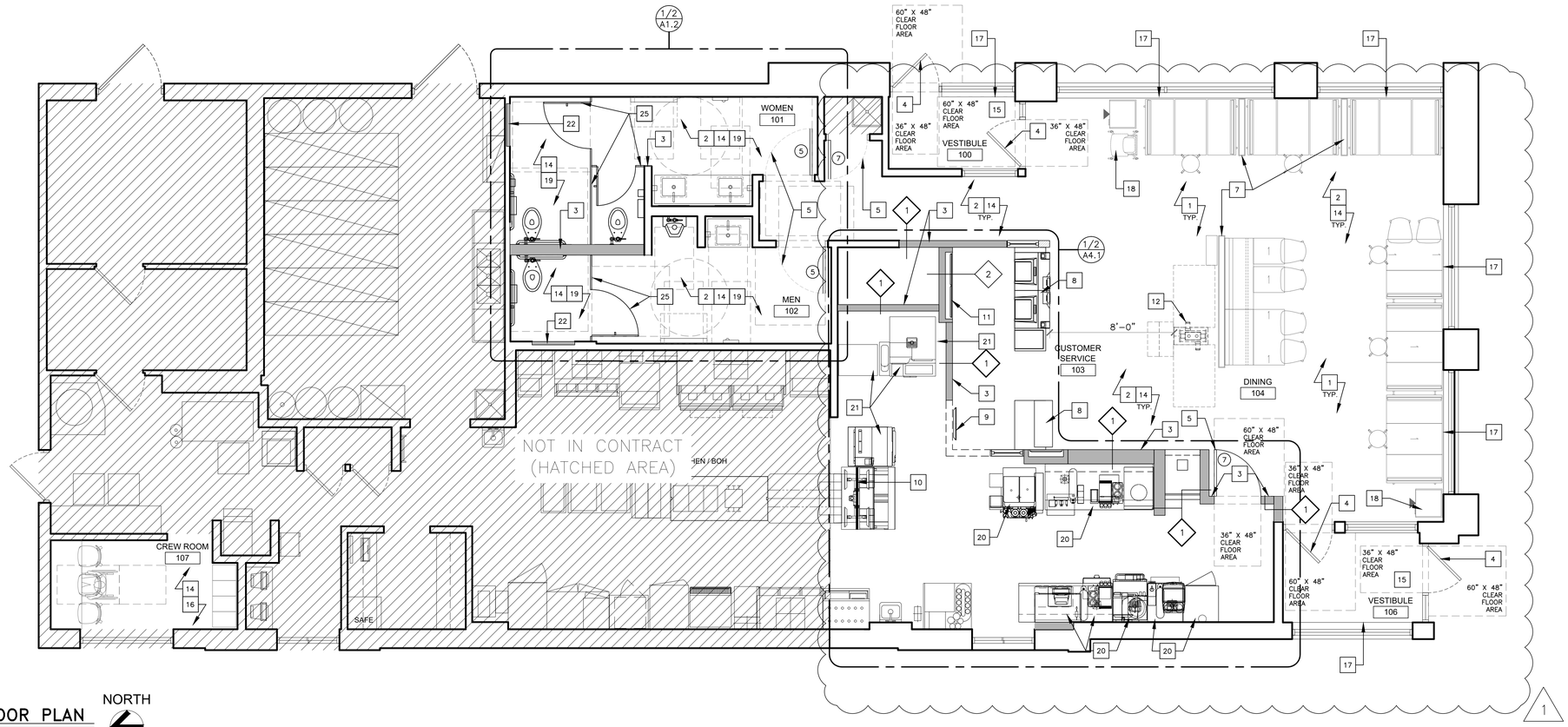
DRAWN BY: JEC
CHECKED BY: PKG
STD. SCALE DATE: 2019
DATE ISSUED: 2019
SITE #: NO. 3172

PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST: 2020 MOD C
SHEET TITLE: REFLECTION CEILING PLAN – DEMOLITION
SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114

PROJECT NO. 4118000362
SHEET NO. D1.1



1 A1.0 **FLOOR PLAN** SCALE: 1/4" = 1'-0"

NORTH

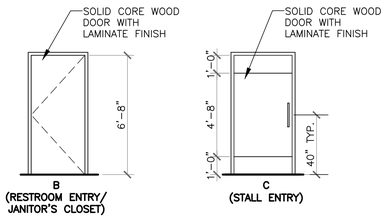
DOOR SCHEDULE

MARK	DOOR			FRAME	
	MATERIAL	SIZE	TYPE	MATL.	SIZE
(5)	S.C.WOOD W/ LAM.	~~3'-0"x6'-8"(V.I.F.)x1 3/4"~~	B	H.M.	2" JAMB & HEAD
(7)	S.C.WOOD W/ LAM.	3'-0"x6'-8"(V.I.F.)x1 3/4"	B	H.M.	2" JAMB & HEAD

DOOR #5 – RESTROOM ENTRY
1. 3 EA HINGE BB1279 4 ½ X 4 ½ US26D HAGER
2. 1 EA CLOSER LCN LDPA4031 SNB ALUM PULL SIDE MOUNTED
3. 1 EA PUSH PLATE HAGER 30S, 4 X 16, US32D, 40"AFF MOUNTED TO CENTER OF PLATE.
4. 1 EA PULL PLATE WITH HANDLE, HAGER 33E, 4 x16, US32D, 40"AFF MOUNTED TO CENTER OF PLATE.
5. 2 EA KICKPLATE 190S 8 X 34 US32D HAGER
6. 1 EA DOOR STOP 236W US32D HAGER
7. 1 EA FINGER GRD MKIA PUSH SIDE BRN F.SAFE
8. 1 EA FINGER GRD MKIB PULL SIDE BRN F.SAFE
9. 1 EA STEPNPULL PULL SIDE (OPTIONAL)
10. 3 EA DOOR SILENCERS. HAGER
11. UNDERCUT DOOR 3/4"

DOOR #7 – JANITOR CLOSET
1. 3 EA HINGE BB 1279 4 ½ X 4 ½ US 26D HAGER
2. 1 EA LOCK ND80PD RHO 626 SCHLAGE
3. 3 EA DOOR SILENCERS, HAGER

DOOR TYPES



B (RESTROOM ENTRY/ JANITOR'S CLOSET)

C (STALL ENTRY)

DOOR NOTES

1. ALL EXIT DOORS SHALL BE KEYLESS IN THE DIRECTION OF EGRESS.
2. THE OPENING FORCE OF ALL EXT. PUSH/PULL DOORS SHALL NOT EXCEED 8 1/2 LBS.
3. THE OPENING FORCE OF ALL INTERIOR PUSH/PULL DOORS SHALL NOT EXCEED 5 LBS.
4. PROVIDE PANIC HARDWARE FOR ALL EXTERIOR DOORS AS NOTED ON THE DOOR SCHEDULE.
5. ALL DOOR HARDWARE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL BE OPERABLE WITH ONE HAND. PROVIDE DOOR HARDWARE THAT CAN BE OPERATED WITH A CLOSED FIST OR A LOOSE GRIP.
6. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM. SPRING HINGES. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM.

HANDICAP ACCESSIBILITY NOTES

1. REFER TO HANDICAP ACCESSIBILITY STANDARDS, DRAWING G2.0 FOR ADDITIONAL INFORMATION.
2. ACCESSIBLE TABLE TOP 34" MAX. A.F.F. AND 27" MIN. KNEE CLEAR A.F.F. BENEATH TABLE TOP, CONTINUOUS FOR A DEPTH OF 19" MIN. BACK FROM LEADING EDGE OF TABLE TOP. PROVIDE MIN. 30" CLEAR WIDTH BELOW TABLE TOP FOR A FORWARD APPROACH TO ACCESSIBLE SEATING POSITIONS.
3. GENERAL CONTRACTOR IS RESPONSIBLE FOR ORDERING AND INSTALLING ALL ADA SIGNAGE BASED ON MCDONALD'S ADA SIGNAGE GUIDE. THIS INCLUDES SIGNAGE FOR ALL DOORS IN CUSTOMER AREAS, RESTROOMS, DINING AREA INCLUDING TABLES, SEATING, AND REACH RANGES. CONTACT TOM GIORDANO WITH FORREST PERMA SIGNS – 800–214–8765. TOM@FORRESTPERMASIGNS.COM
4. ALL DISPENSERS MUST BE WITHIN COMPLIANT REACH RANGE INCLUDING AT SELF–SERVICE BEVERAGE BAR. GC RESPONSIBLE TO COORDINATE LOCATION OF ANY PERMANENTLY INSTALLED FIXTURES OR DISPENSERS. OWNER/OPERATOR RESPONSIBLE FOR ANY MOVABLE FIXTURES OR DISPENSER. SEE SHEET G2.0.

KEY NOTES

1. NEW SEATING LAYOUT – SEE INTERIOR 'DECOR' DRAWINGS.
2. EXISTING WALLS, TYP. U.O.N.
3. NEW WALLS, TYP. U.O.N.
4. EXISTING DOORS, TYP. U.O.N.
5. NEW DOORS, TYP. U.O.N.
6. NEW McCAFE DECORATIVE SLAT WALL ASSEMBLY.
7. NEW DECORATIVE WALL – SEE INTERIOR 'DECOR' DRAWINGS.
8. NEW MODULAR FRONT COUNTER.
9. NEW ORDER READY BOARD CENTERED ON PICKUP COUNTER.
10. NEW CURATED PANEL.
11. NEW DIGITAL MENU BOARDS.
12. NEW KIOSK. COORDINATE INSTALLATION WITH INTERIOR 'DECOR' DRAWINGS AND NEW FLOORING INSTALLATION.
13. NEW COUNTERTOP ON EXISTING BEVERAGE BAR. NEW FACE LAMINATE ON EXISTING BEVERAGE BAR. SEE DÉCOR FOR EXTENT AND SPECIFICATIONS. EXISTING EQUIPMENT TO BE REINSTALLED. (NOT USED)
14. NEW INTERIOR FINISH SPEC'S PROVIDED BY THE DECOR VENDOR. REFER TO INTERIOR 'DECOR' DRAWINGS.
15. NEW VESTIBULE FINISHES. REFER TO INTERIOR 'DECOR' DRAWINGS.
16. CREW ROOM NEW FINISHES TO BE COORDINATED WITH INTERIOR 'DECOR' DRAWINGS.
17. NEW INTERIOR WINDOW SILL. SEE INTERIOR 'DECOR' DRAWINGS FOR EXTENT.
18. NEW TRASH RECEPTACLE W/TRAY RETURN – SEE INTERIOR 'DECOR' DRAWINGS.
19. GC TO PROVIDE ALL NEW PLUMBING FIXTURES AND ACCESSORIES, SEE SHEET A1.2 FOR MORE INFORMATION.
20. RELOCATED KITCHEN EQUIPMENT. SEE 'KES' DRAWINGS FOR FURTHER INFO.
21. NEW KITCHEN EQUIPMENT. SEE 'KES' DRAWINGS FOR FURTHER INFO.
22. NEW WALL INFILL ASSEMBLY AT REMOVED RECESSED MOUNTED BABY CHANGING TABLE. (SEE DRAWING A1.2)
23. RELOCATED ANSUL PULL. (NOT USED)
24. EXISTING COLUMN TO REMAIN. (NOT USED)
25. NEW TOILET PARTITIONS AND STALL DOORS.

WALL TYPE SCHEDULE

1. 1/2" GYP. BD. (OR 1/2" CEMENT BOARD WHERE CERAMIC TILE FINISH IS PROVIDED) OVER 3–5/8", 20 GA METAL STUDS (OR WIDTH TO MATCH ADJACENT WALL WHERE REQUIRED), AT 16" O.C. WITH 20 GA STUD TRACKS, TOP AND BOTTOM, FROM FLOOR TO STRUCTURE ABOVE. WHERE WALL IS PARALLEL TO ROOF FRAMING MEMBERS, PROVIDE UNISTRUT FRAMING TO RECEIVE TOP TRACK, SIMILAR TO DETAIL 2 ON DRAWING A4.3. WHERE WALL IS PERPENDICULAR TO ROOF FRAMING MEMBERS, ATTACH TOP TRACK TO BOTTOM CHORD OF FRAMING IN A SIMILAR FASHION AS UNISTRUT MOUNTING SHOWN ON DETAIL 2/A4.3, FASTEN BOTTOM STUD TRACK TO FLOOR AT 16" O.C.

2. SEE DETAILS 1 AND 2, DRAWING A4.3

3. SEE DETAIL 4, DRAWING A4.1

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FIRM C OF A NO.: # X–XXXX

SIGNED BY:

STATE OF MISSOURI
JOSHUA W. CARRELL
NUMBER A-2018040323
ARCHITECT

DATE: 01/04/2021

NAME: JOSHUA CARRELL

LICENSE NO: ARC07675

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DRAWN BY: JEC
REVIEWED BY: PKG
TOP SOIL& BARL 2019
DATE ISSUED 2019
JOB NO. 3172

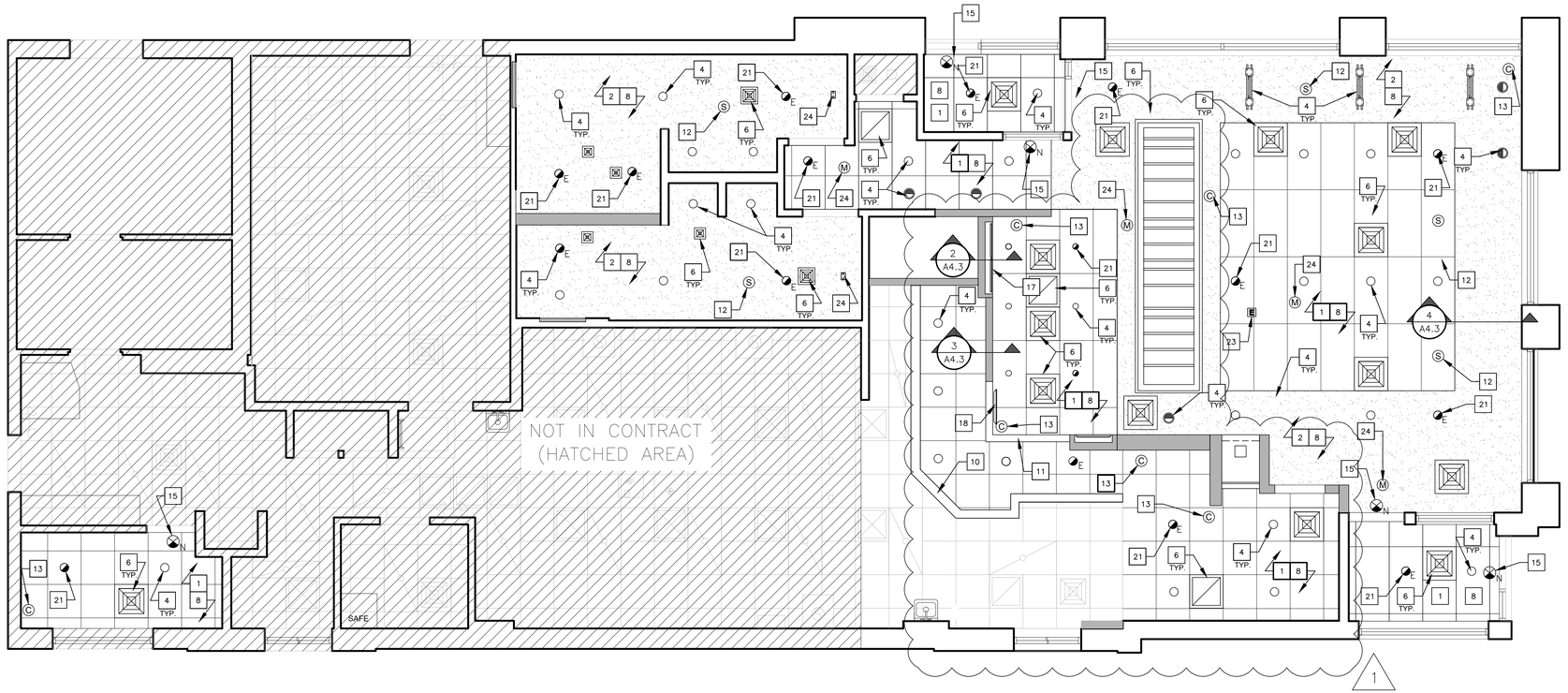
PROJECT TITLE: MCDONALD'S RESTAURANT KC–103 ST: 2020 MOD C

SHEET TITLE: FLOOR PLAN

SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114

PROJECT NO. 4118000362

SHEET NO. A1.0



1 A1.1 PROPOSED REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

NORTH

CEILING NOTES

1. VARIOUS CEILING APPURTENANCES INCLUDING LIGHTING, HVAC SUPPLIES AND RETURNS, FIRE SPRINKLER HEADS, CEILING MOUNTED ELECTRICAL RECEPTACLES, TEMPERATURE SENSORS, CAMERAS, SPEAKERS, ETC. MAY EXIST AND ARE TO BE RELOCATED TO NEW CEILING ASSEMBLIES (VERIFY EXISTENCE IN FIELD).
2. EXACT NUMBER OF CEILING MOUNTED ITEMS TO BE VERIFIED IN FIELD.
3. EXISTING HVAC DUCTWORK TO REMAIN.
4. HVAC SUPPLY AND RETURN AIR ARRANGEMENT AND EXHAUST FAN SYSTEM TO REMAIN AND BE ADAPTED TO NEW OR MODIFIED CEILING ASSEMBLIES. FINAL LOCATIONS OF THESE ITEMS TO BE MINIMALLY ADJUSTED TO ACCOMMODATE NEW CEILING LAYOUTS.
5. IN THE EVENT THAT TOILET ROOM RETURN AIR GRILLES (AS SHOWN ON DRAWINGS) ARE FOUND TO BE CEILING MOUNTED EXHAUST FANS, FANS SHALL REMAIN AND BE THOROUGHLY CLEANED. THE CEILING TRIM SHALL BE REPLACED WITH NEW.
6. TEMPERATURE SENSOR, SPEAKERS, CAMERA, EMERGENCY LIGHT, ILLUMINATED EXIT SIGN, FIRE SPRINKLER SYSTEM, AND FIRE ALARM COMPONENT ARRANGEMENTS TO REMAIN AND BE ADAPTED TO NEW OR MODIFIED CEILING ASSEMBLIES. FINAL LOCATIONS OF THESE ITEMS TO BE MINIMALLY ADJUSTED TO ACCOMMODATE NEW CEILING LAYOUTS OR AS OTHERWISE REQUIRED TO ACCOMMODATE ANY SIGNIFICANT CHANGES TO THE FLOOR PLAN LAYOUT.
7. FOR CEILING FINISHES, HEIGHTS AND DETAILS SEE INTERIOR DECOR DRAWINGS.
8. FOR LIGHTING SPECIFICATIONS AND ADDITIONAL INFORMATION, SEE ELECTRICAL AND DECOR DRAWINGS.
9. FIXTURE QUANTITIES AND LOCATIONS MAY VARY DEPENDING UPON FINAL FURNITURE LAYOUT. SEE INTERIOR DECOR DRAWING FOR FURNITURE LAYOUT.
10. MINIMUM CEILING HEIGHT IS 7'-6". SEE DECOR INTERIOR DRAWINGS FOR CEILING HEIGHTS.

GYPSUM BOARD CEILING ASSEMBLY NOTE

1/2" WATER RESISTANT GYP. BD. ON 7/8" 20 GA FURRING CHANNELS AT 24" O.C. SET AT RIGHT ANGLES AND ATTACHED TO 1-1/2 METAL CARRYING CHANNELS WITH FURRING CHANNEL CLIPS ON ALTERNATE SIDES OF CARRYING CHANNEL. CARRYING CHANNELS TO BE 1-1/2", 18 GA, AT 48" O.C. SUSPENDED FROM STRUCTURE ABOVE WITH 8 GA. HANGER WIRE AT 4'-0" O.C. MAX.

SUSPENDED CEILING NOTES

SEC. 803.9 & SEC. 2506.2.2015 IBC
ASTM C-635 & SEC. 13.5.6, ASCE-7-05

1. SUSPENDED CEILING SYSTEMS SHALL BE DESIGNED TO RESIST A LATERAL FORCE OF 20% OF THE WEIGHT OF THE CEILING ASSEMBLY AND ANY LOADS TRIBUTARY TO THE SYSTEM FOR PURPOSES OF DETERMINING THE LATERAL FORCE. A MIN. WEIGHT OF 5 POUNDS PER SQ. FT. SHALL BE USED.
2. WHEN THE CEILING LOADS DO NOT EXCEED 5 POUNDS PER SQ. FT. AND WHERE PARTITIONS ARE NOT CONNECTED TO THE CEILING SYSTEM, THE FOLLOWING BRACING SYSTEM MAY BE EMPLOYED:
3. LATERAL SUPPORT MAY BE PROVIDED BY FOUR WIRES OF MAXIMUM NO. 12 GA. SPLAYED IN FOUR DIRECTIONS 90 DEGREES APART, AND CONNECTED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS RUNNER AND TO THE STRUCTURE ABOVE AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM THE PLANE OF THE CEILING. THESE LATERAL SUPPORT POINTS SHALL BE PLACED 12'-0" ON CENTER IN EA. DIRECTION, WITH THE FIRST POINT WITHIN 6'-0" FROM EA. WALL.
4. ALLOWANCE SHALL BE MADE FOR LATERAL MOVEMENT OF THE SYSTEM. MAIN RUNNERS AND CROSS RUNNERS MAY BE ATTACHED AT TWO ADJACENT WALLS WITH CLEARANCE BETWEEN THE WALL AND THE RUNNERS MAINTAINED AT THE OTHER WALLS.
5. VERTICAL SUPPORT SHALL BE PROVIDED AS REQUIRED IN CBC STANDARD WITH THE ADDED REQUIREMENT THAT DISCONTINUOUS END OF CROSS RUNNERS AND MAIN RUNNERS SHALL BE VERTICALLY SUPPORTED WITHIN 8" OF SUCH DISCONTINUITIES AS MAY OCCUR WHEN THE CEILING IS DISRUPTED BY A WALL.
6. LIGHTING FIXTURES AND AIR DIFFUSERS SHALL BE SUPPORTED DIRECTLY BY WIRES TO THE STRUCTURE ABOVE.

CEILING LEGEND

- NEW 2' X 4' SUSPENDED ACOUSTICAL CEILING
- NEW SUPPLY DIFFUSER
- NEW RETURN AIR GRILL
- EXISTING GYP. CEILING / SOFFIT
- NEW GYP. CEILING / SOFFIT
- EXISTING EMERGENCY LIGHT TO REMAIN
- RELOCATED ILLUMINATED EXIT SIGN
- N NEW ILLUMINATED EXIT SIGN
- S RELOCATED EXISTING SPEAKER
- C RELOCATED EXISTING CAMERA
- EXISTING SPINKLER TO REMAIN
- RECESSED DOWNLIGHT
- E RECESSED EMERGENCY DOWNLIGHT. SEE ELEC DRAWINGS.
- M MECHANICAL SENSOR TO REMAIN.
- WALL WASH
- PLANK PENDANT

KEY NOTES

1. NEW ACOUSTICAL CEILING TILE (TYPICAL).
2. PROVIDE NEW GWB CEILING ASSEMBLY. SEE GYPSUM BOARD CELING NOTE, THIS SHEET.
3. NEW SOFFIT. SEE SOFFIT DETAIL 4/A4.3. REFER TO INTERIOR 'DECOR' DRAWINGS FOR EXACT LOCATION.
4. NEW LIGHTING. SEE INTERIOR DECOR AND ELECTRICAL DRAWINGS.
5. NEW LED RETRO FIT KIT IN EXISTING LIGHTING LOCATION. (NOT USED)
6. RELOCATE SUPPLY DIFFUSER/RETURN AIR GRILLE. COORDINATE LOCATIONS AND INSTALLATION WITH NEW CEILING GRID LAYOUT.
7. EXISTING CEILING/SOFFIT ASSEMBLY TO RECEIVE NEW FINISH. PATCH AND REPAIR AS REQUIRED. (NOT USED)
8. NEW CEILING FINISHES, SEE INTERIOR 'DECOR' DRAWINGS.
9. NEW CEILING FEATURE, SEE INTERIOR 'DECOR' DRAWINGS. (NOT USED)
10. EXISTING VALANCE TO BE CUT 2" BELOW EXISTING CEILING. PROVIDE NEW BOTTOM STUD RUNNER, PLYWOOD CLADDING, AND STAINLESS STEEL CAP WITH A FEATHERED EDGE ON A 1" RETURN. (SIMILAR TO DETAIL 3, DRAWING A4.3).
11. NEW VALANCE. SEE DETAIL 3, DRAWING A4.3.
12. RELOCATED SPEAKER.
13. RELOCATED CAMERA.
14. EXISTING EMERGENCY LIGHT FIXTURE TO REMAIN. (NOT USED)
15. NEW ILLUMINATED EXIT SIGN.
16. RELOCATED ILLUMINATED EXIT SIGN. (NOT USED)
17. NEW DIGITAL MENU BOARDS.
18. NEW ORB CENTERED ON PICKUP COUNTER.
19. BULKHEAD TRANSITION – SEE 'DECOR' INTERIOR DRAWINGS.
20. EXISTING COLUMN TO REMAIN. (NOT USED)
21. NEW EMERGENCY LIGHT FIXTURE.
22. EXISTING SPRINKLER TO REMAIN. (NOT USED)
22A. EXISTING SPRINKLER HEAD HEIGHT TO BE ADJUSTED PER NEW CEILING LAYOUT. (NOT USED)
23. POWER FOR KIOSKS. SEE ELEC.
24. MECHANICAL SENSOR TO REMAIN.

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SIGNED BY:
STATE OF MISSOURI
JOSHUA W. CARRELL
NUMBER A-2018040323
ARCHITECT
DATE: 01/04/2021
NAME: JOSHUA CARRELL
LICENSE NO: ARC07675

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CONSULTANT:

NO.	DESCRIPTION	DATE	BY
0.	FOR PERMIT	6/11/20	JEC
1.	SIAO INCORPORATED	01/11/20	DWJ

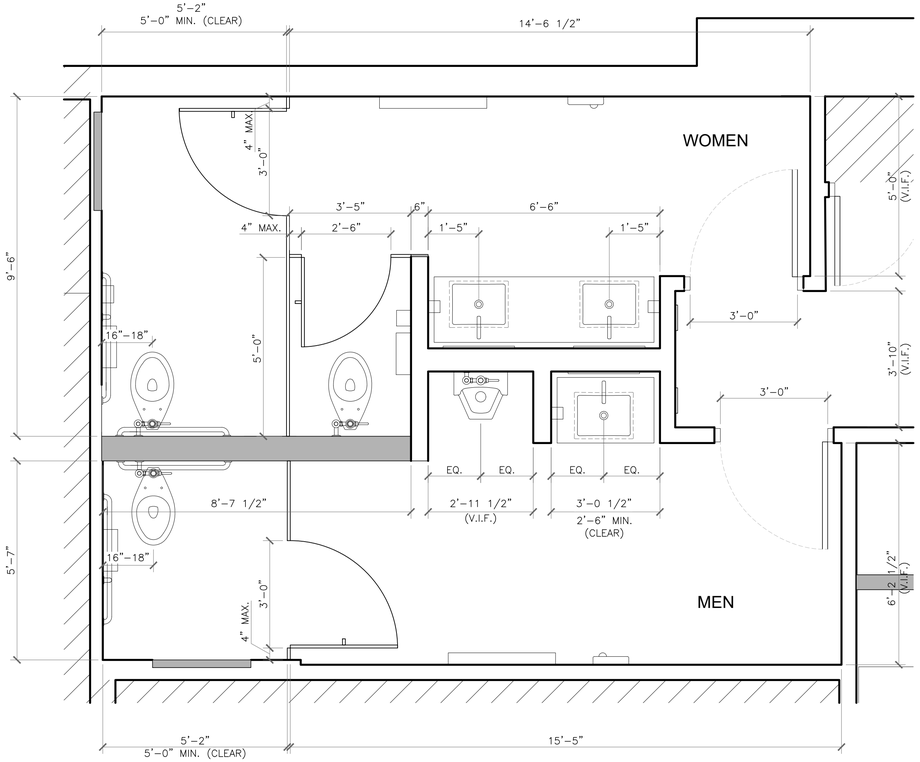
SUBMITTAL

DRAWN BY: JEC
REVIEWED BY: PKG
PLOT SCALE: AS SHOWN
DATE ISSUED: 2019
SEC. & TWP.: 31-72

PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST: 2020 MOD C
SHEET TITLE: REFLECTED CEILING PLAN - PROPOSED
SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114

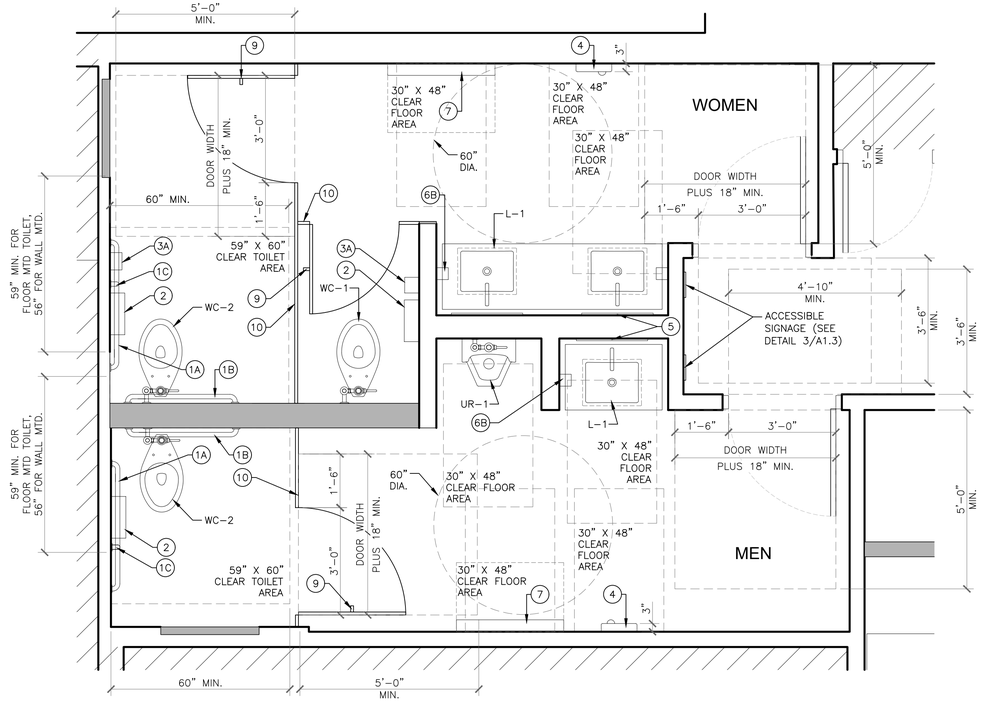
PROJECT NO. 4118000362

SHEET NO. A1.1



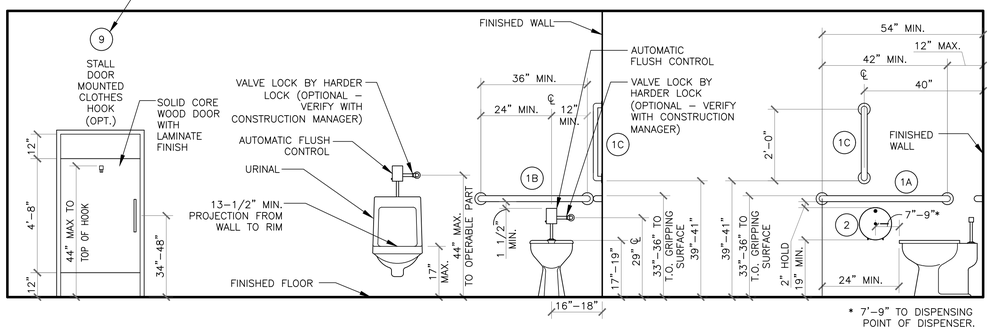
1 A1.2 **ENLARGED RESTROOM DIMENSION PLAN**

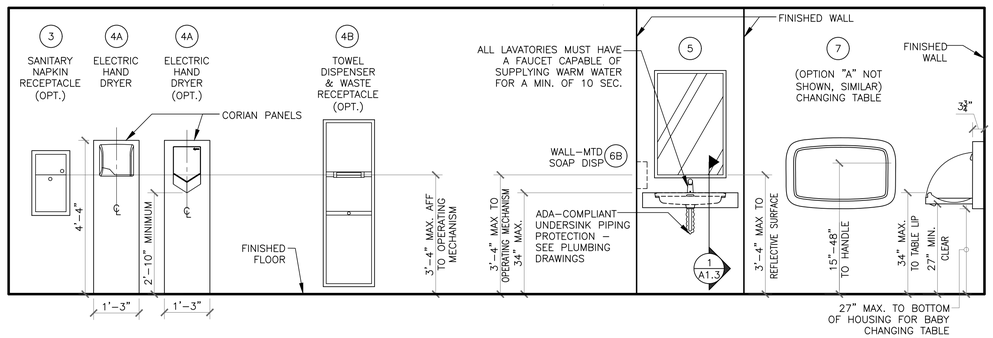
1/2" = 1'-0"



2 A1.2 **ENLARGED RESTROOM CLEARANCE AND ACCESSORY PLAN**

1/2" = 1'-0"





3 A1.2 **RESTROOM FIXTURE AND ACCESSORY ELEVATIONS**

1/2" = 1'-0"

DIMENSIONS SHOWN ON THIS AND OTHER DRAWINGS DEPICT PROPER DIMENSIONS FOR COMPLIANCE WITH ICC/ANSI A117.1–2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, AND 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN GUIDELINES. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS TO DETERMINE IF COMPLIANCE WILL BE ACHIEVED BASED UPON THE SCOPE OF WORK SHOWN ON THE DRAWINGS. CONTRACTOR SHALL MAKE ADJUSTMENTS TO FIXTURE PLACEMENT AS REQUIRED TO ACHIEVE COMPLIANCE. THE COST FOR MAKING SUCH ADJUSTMENTS SHALL BE INCORPORATED INTO THE CONTRACTOR'S BASE BID. IN THE EVENT EXISTING CONDITIONS PRECLUDE COMPLIANCE OR IF SIGNIFICANT ADJUSTMENTS ARE REQUIRED, CONTRACTOR SHALL NOTIFY THE DESIGNATED REPRESENTATIVE. NO EXTRA WILL BE ENTERTAINED IF THE FOREGOING PROCEDURE IS NOT FOLLOWED.

4 A1.2 **HANDICAP ACCESSIBILITY NOTE**

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UCENSE NO: ARC07675

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CONSULTANT:

NO	DESCRIPTION	DATE	BY
0	FOR PERMIT	6/11/20	JEC
1	SAO INCORPORATED	01/11/20	OWJ

DRAWN BY: JEC
CHECKED BY: PKG
TCP ISSUE DATE: 2019
DATE ISSUED: 2019
LOC # NO: 3172

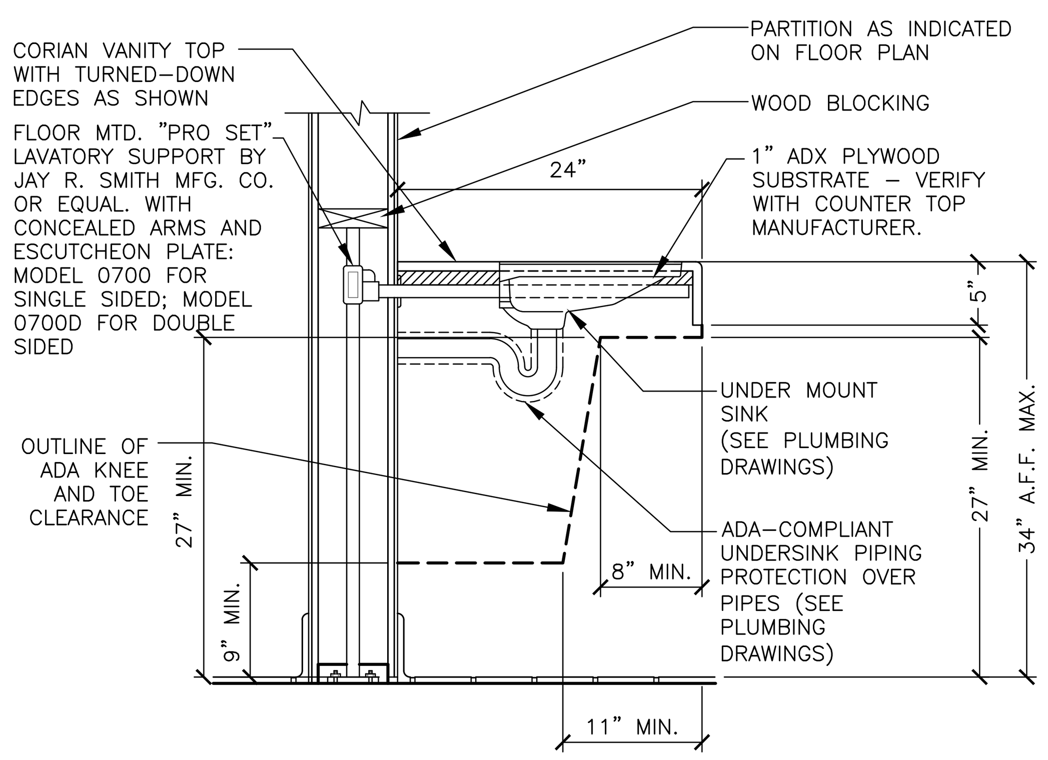
PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST. 2020 MOD C

SHEET TITLE: ENLARGED RESTROOM PLANS AND ACCESSORY ELEVATIONS

SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114

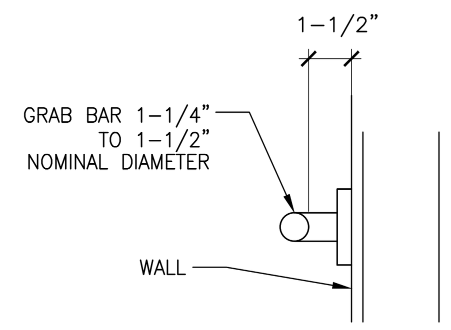
PROJECT NO. 4118000362

SHEET NO. **A1.2**

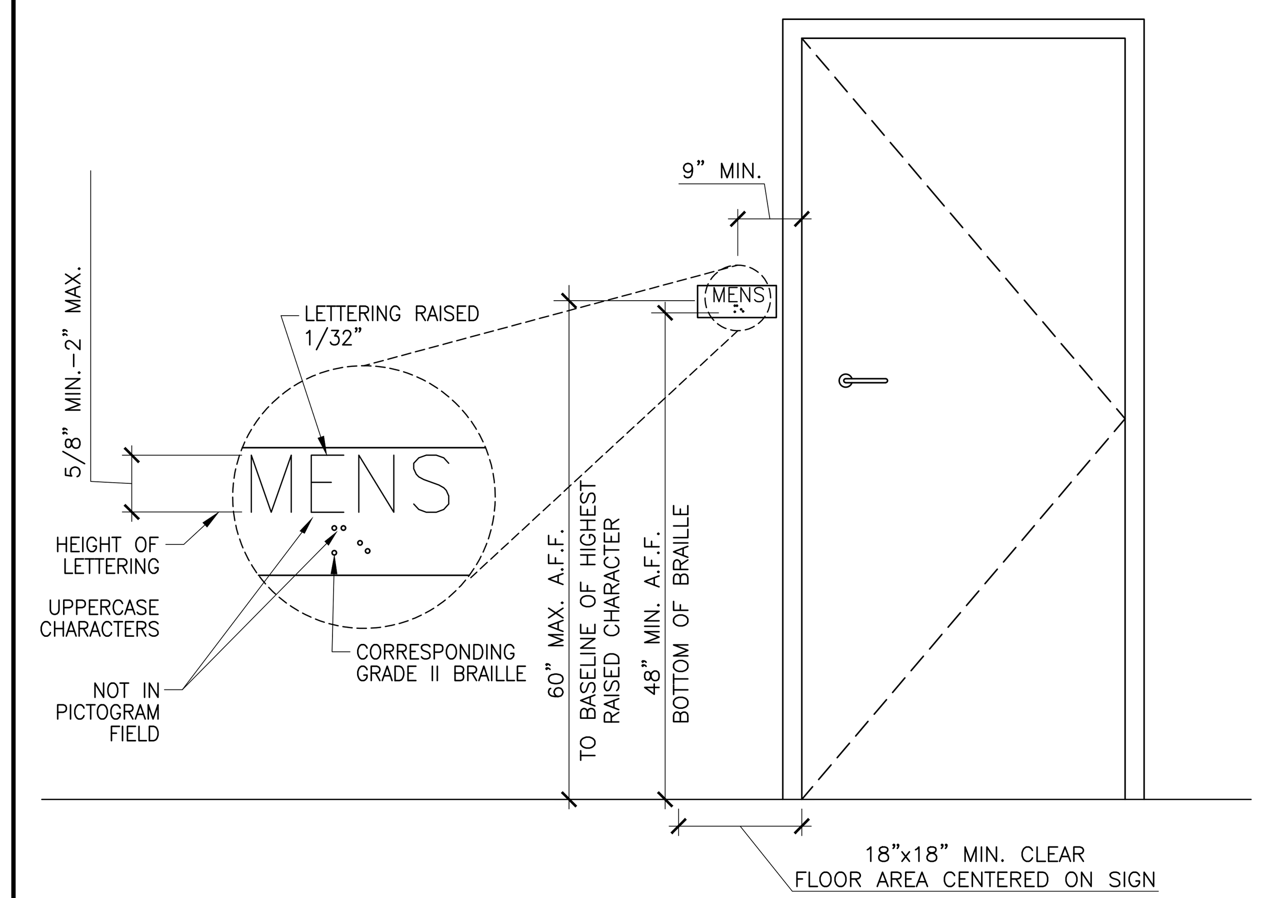


1 A1.3 **SECTION @ LAVATORY**
1" = 1'-0"

NOTES:
1. BENDING STRESS OF A 250LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE GRAB BAR MATERIAL.
2. SHEAR STRESS OF A 250LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE GRAB BAR MATERIAL. ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORISIONAL SHEAR STRESSES SHALL NOT EXCEED ALLOWABLE SHEAR STRESS.
3. SHEAR FORCE INDUCED IN A FASTENER OR MOUNT FROM A 250LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF FASTENER OR MOUNTING DEVICE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.
4. TENSILE FORCE FROM A 250LB POINT LOAD PLUS THE MAX MOMENT FROM A 250LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN FASTENER AND SUPPORT STRUCTURE.
5. A GRAB BAR AND ANY ADJACENT WALL SURFACE SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM 1/8" RADIUS.



2 A1.3 **GRAB BAR DETAIL**
N.T.S.



3 A1.3 **RESTROOM I.D.**
N.T.S.

TOILET PARTITION NOTES

SOLID PHENOLIC-CORE TOILET PARTITIONS
OVERHEAD BRACED ASSEMBLY

PILASTER SHOES:	3" HIGH, STAINLESS STEEL
BRACKETS: PHENOLIC PANEL	FULL HEIGHT, CONTINUOUS 'U'-BRACKETS, STAINLESS STEEL
FINISH:	SINGLE COLOR AND PATTERN AS SELECTED FROM MANUFACTURE'S FULL RANGE. COORDINATE SELECTION WITH DECOR COMPANY
HINGES:	STAINLESS STEEL, CONTINUOUS CAM TYPE, SELF-CLOSING, ADJUSTABLE TO HOLD DOORS OPEN AT ANY ANGLE FROM 0° TO 90°.
LATCH AND KEEPER:	STAINLESS STEEL, HANDICAP ACCESSIBLE, RECESSED LATCH UNIT DESIGNED FOR EMERGENCY ACCESS WITH COMBINATION RUBBER-FACED DOOR STRIKE AND KEEPER.
COAT HOOK:	COMBINATION STAINLESS STEEL HOOK AND RUBBER-TIPPED BUMPER. COORDINATE SIZE TO PREVENT IN-SWINGING DOOR FROM HITTING WALLS OR TOILET ACCESSORIES.
DOOR BUMPER:	STANDARD, STAINLESS STEEL, RUBBER TIPPED BUMPER AT OUT-SWINGING DOORS TO PREVENT DOOR FROM HITTING WALL.
DOOR PULL:	STAINLESS STEEL, HANDICAP ACCESSIBLE, STANDARD PULLS ON BOTH SIDES OF DOOR.
OVERHEAD BRACING:	STANDARD, CONTINUOUS, EXTRUDED ALUMINUM HEAD RAIL WITH ANTI-GRIP PROFILE, WITH MANUFACTURER'S STANDARD FINISH.
ANCHORAGES AND FASTENERS:	MANUFACTURER'S STANDARD, STAINLESS STEEL, WITH TAMPER PROOF HEADS.

4 A1.3 **TOILET PARTITION NOTES**

	ITEM (SEE NOTE 2)	MFR MODEL #	SUPPLIER	BACKUP SUPPORT (SEE NOTE 3)
1A	GRAB BAR 42"	BOBRICK B-6806X42	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	(1)2x6 4'-0" LONG CENTER MOUNTED
1B	GRAB BAR 36"	B-6806X36		
1C	GRAB BAR 24"	B-6806X24		
2	TOILET TISSUE DISPENSER, JUMBO, SURFACE MOUNTED	BRADLEY 5424	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
3	SANITARY NAPKIN RECEPTACLE, RECESSED (OPTIONAL)	BOBRICK B-353	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	FRAME WALL OPENING PER MANUFACTURER'S RECOMMENDATIONS
3A	SANITARY NAPKIN RECEPTACLE, SURFACE MOUNTED (OPTIONAL)	BOBRICK B-254	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACED MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
4A OPTION	HAND DRYER, ENERGY EFFICIENT MODEL, ADA, ALUMINUM BRUSHED CHROME	WORLD DRYER L-971 SlimDri	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS. PROFILE DEPTH: 3-15/16"
4A OPTION	HAND DRYER, ENERGY EFFICIENT MODEL ADA, SPRAYED NICKEL	DYSON AIRBLADE V	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
4B	TOWEL DISPENSER & WASTE RECEPTACLE, COMBINATION, RECESSED (OPTIONAL)	BOBRICK B-3974	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	FRAME WALL OPENING PER MANUFACTURER'S RECOMMENDATIONS
5	MIRROR, CHANNEL FRAME	BOBRICK B-165 2436	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
6A	SOAP DISPENSER, COUNTER MOUNTED, 6" SPOUT (OPTIONAL)	BOBRICK B-82216	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	COUNTER MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
6B	SOAP DISPENSER, WALL-MOUNTED	BOBRICK B-2112	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
7	BABY CHANGING TABLE, HORIZONTAL,SURFACE MOUNT, ADA COMPLIANT, ALL PLASTIC	KOALA KARE KB200-01	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
7 OPTION "A"	BABY CHANGING TABLE, HORIZONTAL,SURFACE MOUNT, ADA COMPLIANT, PLASTIC W/ S/S VENEER	KOALA KARE KB110-SSWM	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
8	DIAPER CONTAINER (OPTIONAL)	–	BY OWNER	N/A
9	CLOTHES HOOK	BRADLEY 917	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
10	TOILET PARTITION (OVERHEAD BRACED TYPE) SOLID PHENOLIC-CORE PANELS	ACCURATE PARTITIONS CORPORATION		CONTINUOUS TREATED PLYWOOD BACKING PER MANUFACTURE'S RECOMMENDATIONS (SEE TOILET PARTITION NOTES, THIS SHEET)

NOTES:
1) SEE 3/A1.2 FOR ACCESSORY MOUNTING HEIGHTS
2) SELECT ONE ITEM FROM ITEM GROUPS 4 & 6, VERIFY WITH AREA CONSTRUCTION MANAGER.
3) CUT BACK-UP SUPPORTS BETWEEN STUDS SO FACE OF SUPPORT IS FLUSH W/WALL STUD

5 A1.3 **RESTROOM ACCESSORY SCHEDULE**

MARK	FIXTURE TYPE	DESCRIPTION
WC-1	WATER CLOSET	WATER CLOSET: TOTO #CT705EN#01 OR ZURN Z5655-BWL1 1.28 GPF FLUSH VALVE: TOTO TET1LAX32#CP OR ZURN ZTR6200EV-LL 1" I.P.S., 1½" TOP SPUD FLUSH VALVE OPERATION: SENSOR SEAT: BEMIS MODEL 2155CT
WC-2	WATER CLOSET (HANDICAP ACCESSIBLE)	WATER CLOSET: TOTO #CT705ELN#01 OR ZURN Z5665-BWL1 1.28 GPF FLUSH VALVE: TOTO TET1LAX32#CP OR ZURN ZTR6200EV-CC-LL 1" I.P.S., 1½" TOP SPUD FLUSH VALVE OPERATION: SENSOR SEAT: BEMIS MODEL 2155CT
L-1	LAVATORY (HANDICAP ACCESSIBLE)	LAVATORY: KOHLER K-2882-0 OR TOTO LT191G LAVATORY: CORIAN COUNTER BY GC, APPROVED ADA HEIGHT FAUCET: TOTO TEL101-D10ET#CP OR ZURN Z6950-XL-S-10S-LL-TMV-1 1.0 GPM (0.17 GAL/10 SEC CYCLE) ACCESSORIES: TRUEBRO LAVGUARD2 MODEL #102 E-Z JAY R. SMITH "PROSET" MODEL 0700 SINGLE SIDED OR MODEL 0700D DOUBLE SIDED FLOOR MOUNTED LAVATORY SUPPORT WITH CONCEALED ARMS AND ESCUTCHEON PLATES.
L-2	LAVATORY (HANDICAP ACCESSIBLE)	LAVATORY: AMERICAN STANDARD LUCERNE WALL HUNG ADA HEIGHT FAUCET: TOTO TEL101-D10ET#CP OR ZURN Z6950-XL-S-10S-LL-TMV-1 1.0 GPM (0.17 GAL/10 SEC CYCLE) ACCESSORIES: TRUEBRO MODEL #102 E-Z LAVGUARD2 JAY R. SMITH "PROSET" MODEL 0700 SINGLE SIDED OR MODEL 0700D DOUBLE SIDED FLOOR MOUNTED LAVATORY SUPPORT WITH CONCEALED ARMS AND ESCUTCHEON PLATES.
UR-1	URINAL (HANDICAP ACCESSIBLE)	URINAL: TOTO UT445U#01 0.125 GPF OR ZURN Z5755U 0.125 GPF FLUSH VALVE: TOTO TEU1LAX12#CP OR ZURN ZTR6203-ULF-LL ¾" I.P.S. 1" TOP SPUD
UR-2	URINAL (SEE NOTE NO. 3)	(SEE NOTE NO. 3)

NOTES:
1. PLUMBING CONTRACTOR SHALL PROVIDE GRID DRAIN, P-TRAP AND VALVE STOPS FOR ALL SINKS & LAVS.
2. PLUMBING CONTRACTOR SHALL COORDINATE WITH G.C. TO PROVIDE BLOCKING FOR PROPER URINAL SUPPORT.
3. UR-2, SIMILAR TO UR-1 EXCEPT MOUNTED AT STANDARD HEIGHT.

6 A1.3 **RESTROOM FIXTURE SCHEDULE**

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Tel: (781) 273-2500 | www.ebiconsulting.com

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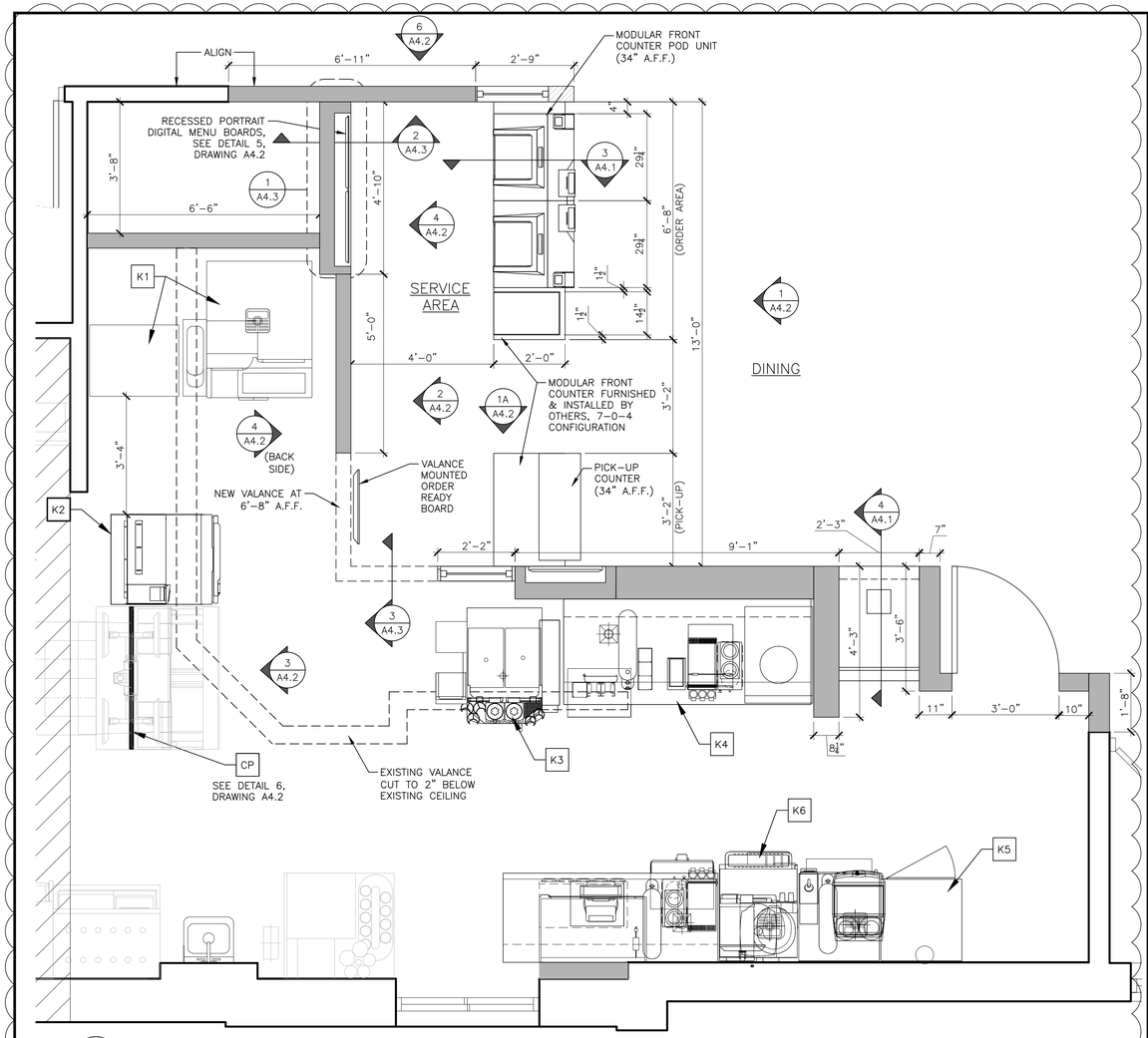
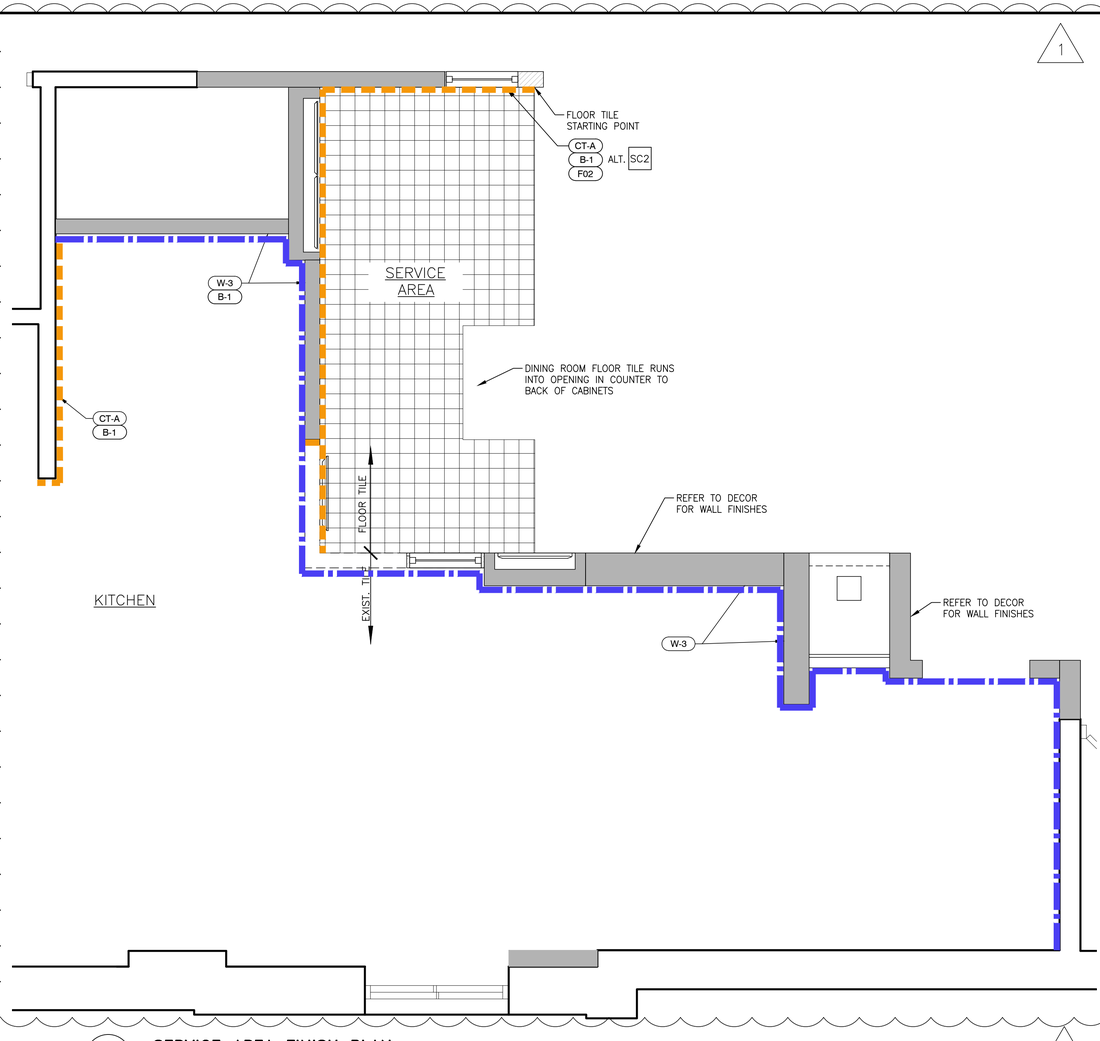
NO.	DESCRIPTION	DATE	BY
0	FOR PERMIT	6/11/20	JEC
1	SAO INCORPORATED	01/11/20	OWJ

DRAWN BY: JEC
REVIEWED BY: PKG
STD ISSUE DATE: 2019
DATE ISSUED: 2019
SITE ID NO.: 3172

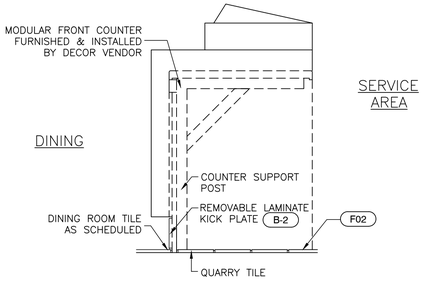
PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST: 2020 MOD C
SHEET TITLE: RESTROOM DETAILS AND SCHEDULES
SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114
PROJECT NO. 4118000362
SHEET NO. **A1.3**



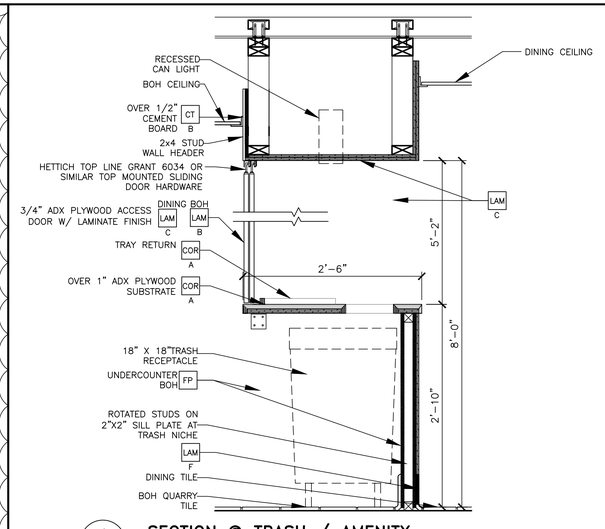
1 A4.1 **SERVICE AREA PLAN**
1/2" = 1'-0"



2 A4.1 **SERVICE AREA FINISH PLAN**
1/2" = 1'-0"



3 A4.1 **MODULAR FRONT COUNTER SECTION**
1" = 1'-0"



4 A4.1 **SECTION @ TRASH / AMENITY**
1" = 1'-0"

FINISH KEY NOTES

** GC TO VERIFY ALL FINISHES WITH DECOR DRAWINGS. IF DISCREPANCIES ARE FOUND, THE DECOR DRAWINGS WILL SUPERCEDE THESE. COORDINATE ALL FINISHES WITH McDONALD'S ACM PRIOR TO INSTALLATION.

- CT-A — DARK: PORCELAIN WALL TILE: EUROWEST; COLOR: NOIR 4"x12" PATTERN: STACK BOND; GROUT: MAPEI-47 CHARCOAL-JOINT TO BE 1/16" MAX. TAG =
- W-1 — F.R.P. WHITE TAG =
- W-2 — CORIAN DEEP TITANIUM TAG =
- W-3 — WHITE KITCHEN TILE TAG =
- F02 — FLOOR TILE: 6"x6" METROPOLITAN QUARRY BASIC TO MATCH EXISTING; TAG =
- B-1 — QUARRY TILE COVE BASE TO MATCH EXISTING
- B-2 — LAMINATE BASE-FORMICA BLACK
- CP — DARK CURATED VIEW PANEL: COLOR: WILSONART - STEEL MESH 4879-38
  LIGHT CURATED VIEW PANEL: COLOR: WILSONART - FASHION GRAY D381-60
  NOTE: GC TO RECEIVE CURATED PANEL MOUNTS FROM S&D VENDOR
- LAM — LAMINATE: COLOR: MARLITE S-807N SMOOTH BLACK
- SC1 — SCHLUTER: QUADEC Q100TSG COLOR: TUSCAN PEWTER
- SC2 — SCHLUTER: DILEX-AHK COLOR: ANODIZED ALUMINUM
- SS1 — COUNTER TOP TRIM: COLOR: CORIAN CAMEO WHITE
- WS — WOOD SLATS: COLOR: WOOD NATURAL FINISHED OAK
- GP — GRAPHIC CORNER PANEL: COLOR: PRINTED CONTENT TBD
- BP — BACKER PANEL GRAPHIC: CUSTOM BURLAP GRAPHIC TAG =

5 A4.1 **FINISH KEY NOTES**

KITCHEN EQUIPMENT SCHEDULE

- K1 — KES TO PROVIDE NEW ABS 2.0 W/ TEA TABLE AND 24"x30" STAGING CART.
- K2 — KES TO PROVIDE NEW 30" ORDER ASSEMBLY STATION W/ REFRIDGERATED BASE.
- K3 — RELOCATED COMBO SHAKE MACHINE AND McFLURRY BLENDER. KES TO PROVIDE NEW BLENDER BRACKET.
- K4 — RELOCATED CENTER ISLAND W/ RELOCATED EXISTING EQUIPMENT & VIPER ICEE.
- K5 — RELOCATED SALAD DISPLAY.
- K6 — RELOCATED BLENDED ICE MACHINE.

1

6 A4.1 **KITCHEN EQUIPMENT SCHEDULE**

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FIRM C OF A NO.: # X-XXXX

SIGNED BY:

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DATE: 01/04/2021

NAME: JOSHUA CARRELL
LICENSE NO: ARC07675

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CONSULTANT:

SUBMITTAL:

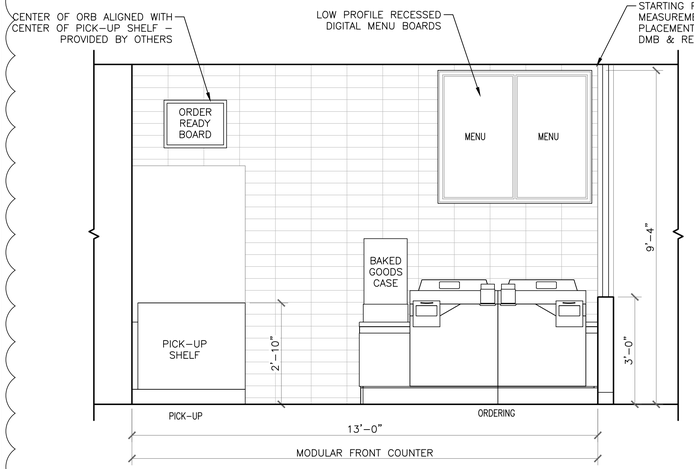
NO	DESCRIPTION	DATE	BY
0	FOR PERMIT	6/11/20	JEC
1	SAO INCORPORATED	01/11/20	DWL

DRAWN BY: JEC
REVIEWED BY: PKG
ISSUE DATE: 2019
DATE ISSUED: 2019
SITE # NO: 3172

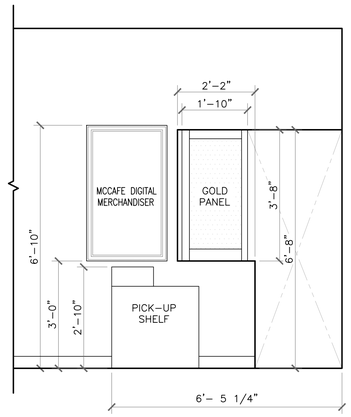
PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST: 2020 MOD C
SHEET TITLE: SERVICE AREA MODERNIZATION MISC. PARTIAL PLANS AND DETAILS
SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114

PROJECT NO. 4118000362

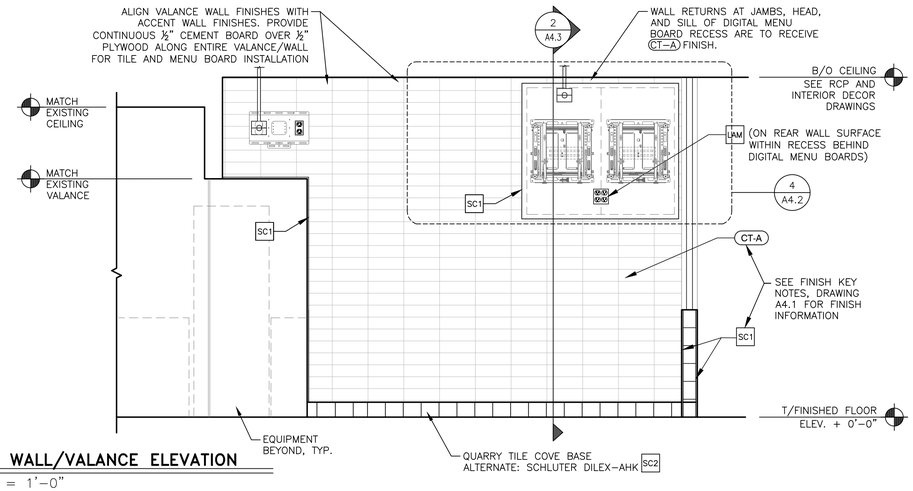
SHEET NO. **A4.1**



1 A4.2 **MODULAR FRONT COUNTER/CBB ELEVATION**
1/2" = 1'-0"



1A A4.2 **PANEL ELEVATION**
1/2" = 1'-0"

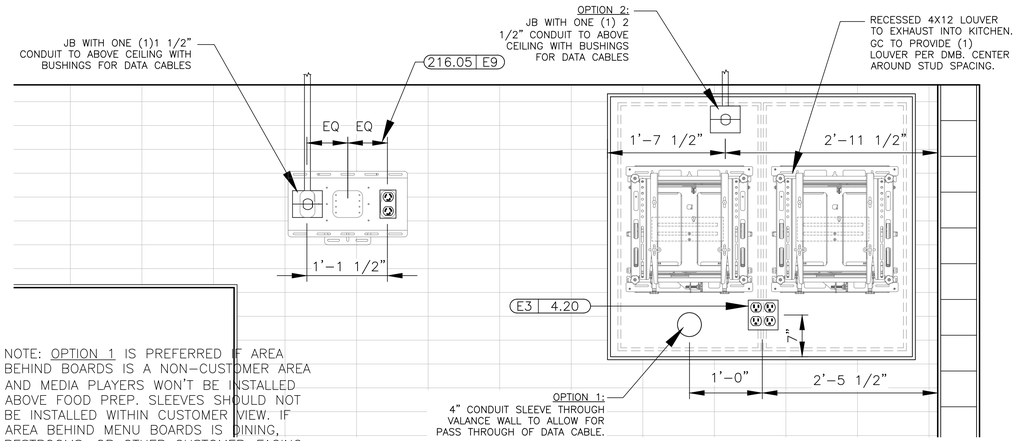


2 A4.2 **DMB WALL/VALANCE ELEVATION**
1/2" = 1'-0"

PB = Pullbox JB = Junction Box EC = Electrical Contractor	VIF = Verify in Field

ELECTRICAL SCHEDULE

TAG #	QTY	DESCRIPTION	VOLT/PH	FLA	BRK SIZE	COND/WIRE	PNL/CCT	RECEP TYPE	HGT AFF	REQUIREMENTS & REMARKS
004.20E3	2	MENU BOARD - DIGITAL	120/1 ISOLATED	4.25	20A	-	-	(2) IG5262	SEE PLAN	SEE LAYOUT FOR GANGED OUTLET CONFIGURATION
004.21E1	2	MENU BOARD - DIGITAL - MEDIA PLAYER	120/1 ISOLATED	1.0	20A	-	-	(2) IG5262	SEE PLAN	SEE LAYOUT FOR GANGED OUTLET CONFIGURATION
216.05E9	1	ORB MONITOR	120/1 ISOLATED	1.5EA	20A	-	-	(1) IG4700	SEE PLAN	SEE LAYOUT FOR GANGED OUTLET CONFIGURATION



NOTE: OPTION 1 IS PREFERRED IF AREA BEHIND BOARDS IS A NON-CUSTOMER AREA AND MEDIA PLAYERS WON'T BE INSTALLED ABOVE FOOD PREP. SLEEVES SHOULD NOT BE INSTALLED WITHIN CUSTOMER VIEW. IF AREA BEHIND MENU BOARDS IS DINING, RESTROOMS, OR OTHER CUSTOMER-FACING LOCATION, USE OPTION 2.

RECESSED MENU BOARDS
1" = 1'-0"

KEY NOTES

THIS SLIP SHEET IS PROVIDED FOR ELECTRICAL ROUGH-IN PREPARATION AND GENERAL DIGITAL MENU BOARD MOUNTING GUIDELINES. EVALUATE EXISTING VALANCE WALL STRUCTURE AND BACKING MATERIALS TO ENSURE ADEQUATE SUPPORT OF EQUIPMENT.

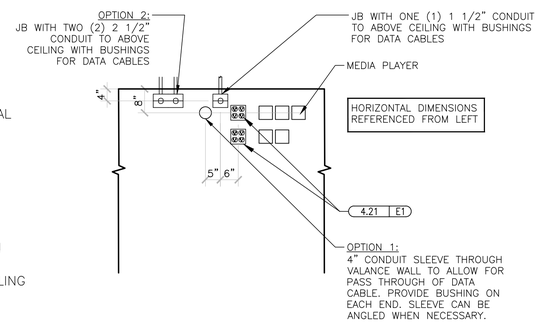
ALL HEADER AND WALL PENETRATIONS FOR CONDUITS OR OTHER ELECTRICAL ROUTING MUST BE SEALED TIGHT.

DIGITAL MENU BOARD (DMB) INSTALLATION NOTES:

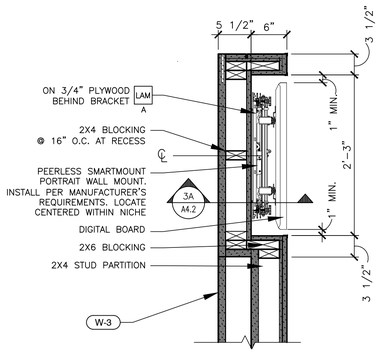
- DMB SUPPORT EQUIPMENT INCLUDES:
  - NETWORK MANAGEMENT DEVICE (NMD)
  - 24 PORT ENHANCED WAYPORT SWITCH (EWS)

  THIS EQUIPMENT IS TYPICALLY MOUNTED IN TECHNOLOGY CLOSET OR IN MANAGER'S OFFICE.
- DMB INSTALLERS TO ROUTE CONTROL WIRES FROM NMD/EWS ABOVE CEILING TO MENU BOARD VALANCE WALL. WIRES TO EXIT WALL VIA J-BOXES.
- EACH DMB SECTION REQUIRES A DEDICATED MEDIA PLAYER.

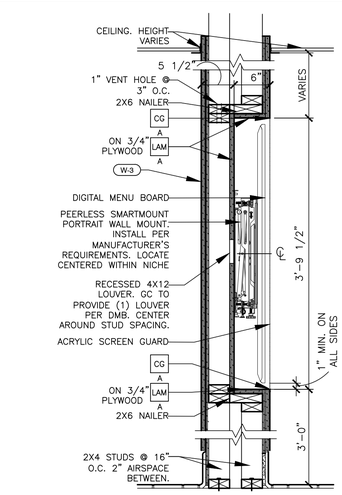
4 A4.2 **RECESSED MENU BOARD ELECTRICAL CRITERIA**



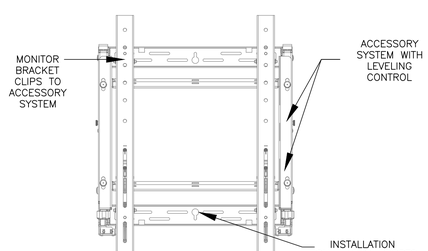
BACK OF WALL/VALANCE DIAGRAM
NTS



3 A4.2 **PLAN DETAIL @ DIGITAL MERCHANDISER**
1" = 1'-0"



3A A4.2 **SECTION @ DIGITAL MERCHANDISER**
1" = 1'-0"

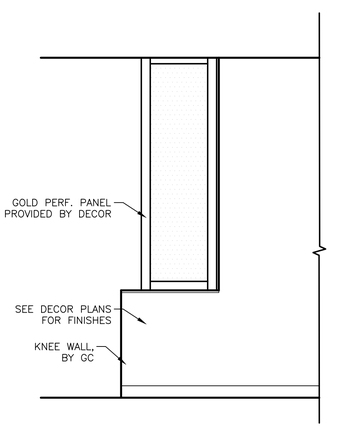


*SECURE TO EXISTING STUDS OR 3/4" PLYWOOD BACKING

REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS

1

5 A4.2 **DIGITAL MENU BOARD BRACKET DETAIL**
1-1/2 " = 1'-0"



6 A4.2 **PANEL ELEVATION**
1/2" = 1'-0"

PREPARED BY:
EBI Consulting
ENVRO BUSINESS, INC.
21 B Street | Burlington, MA 01803
Tel: (781) 273-2500 | www.ebiconsulting.com
FIRM C OF A NO.: # X-XXXX

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SIGNED BY:

DATE: 01/04/2021

NAME: JOSHUA CARRELL

LICENSE NO: ARC07675

PREPARED FOR:
McDonald's USA, LLC

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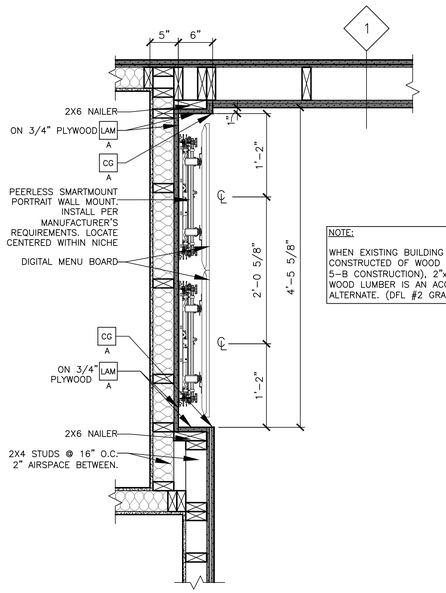
1	SAO INCORPORATED	01/11/20	OWJ

DRAWN BY: JEC
CHECKED BY: PKG
CD SHEET DATE: 2019
DATE ISSUED: 2019
EBI ID NO: 3172

PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST: 2020 MOD C
SHEET TITLE: SERVICE AREA MODERNIZATION MISC. ELEVATIONS AND DETAILS
SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114

PROJECT NO. 4118000362

SHEET NO: A4.2

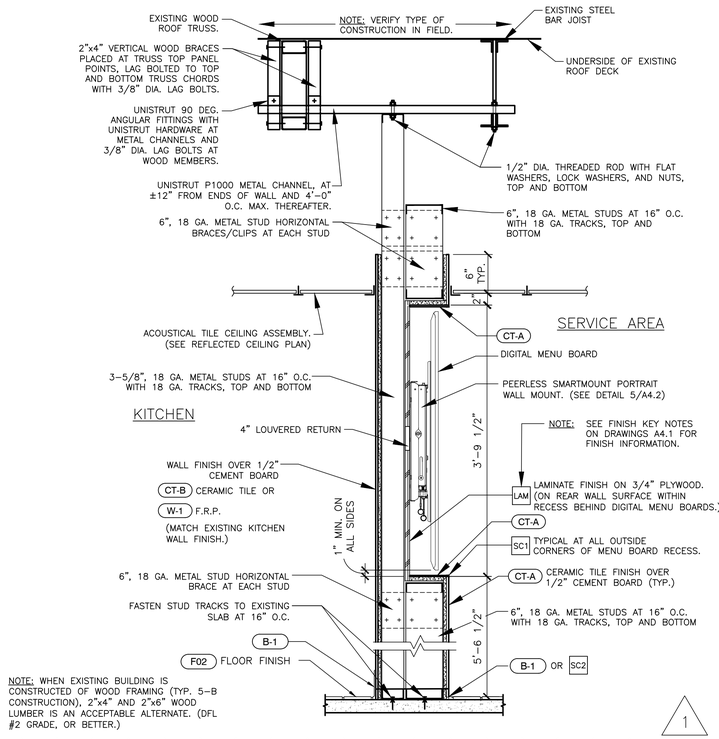


NOTE:

WHEN EXISTING BUILDING IS CONSTRUCTED OF WOOD FRAMING (TYPE 5-B CONSTRUCTION), 2"x4" AND 2"x6" WOOD LUMBER IS AN ACCEPTABLE ALTERNATE. (DFL #2 GRADE OR BETTER)

1 / A4.3 **RECESSED MENU BOARD DETAIL**

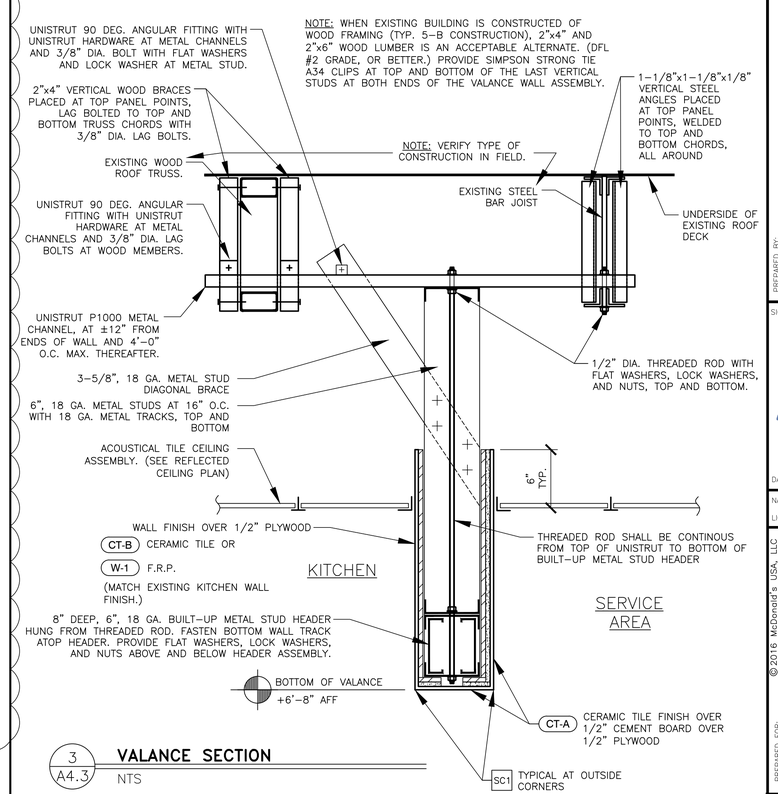
3/4" = 1'-0"



NOTE: WHEN EXISTING BUILDING IS CONSTRUCTED OF WOOD FRAMING (TYP. 5-B CONSTRUCTION), 2"x4" AND 2"x6" WOOD LUMBER IS AN ACCEPTABLE ALTERNATE. (DFL #2 GRADE, OR BETTER.)

2 / A4.3 **RECESSED MENU BOARDS**

NTS



3 / A4.3 **VALANCE SECTION**

NTS

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ENVIRO BUSINESS, INC.
21 B Street | Burlington, MA 01803
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SIGNED BY:

STATE OF MISSOURI
JOSHUA W. CARRELL
NUMBER A-2018040323
ARCHITECT

DATE: 01/04/2021

NAME: JOSHUA CARRELL

LICENSE NO: ARC07675

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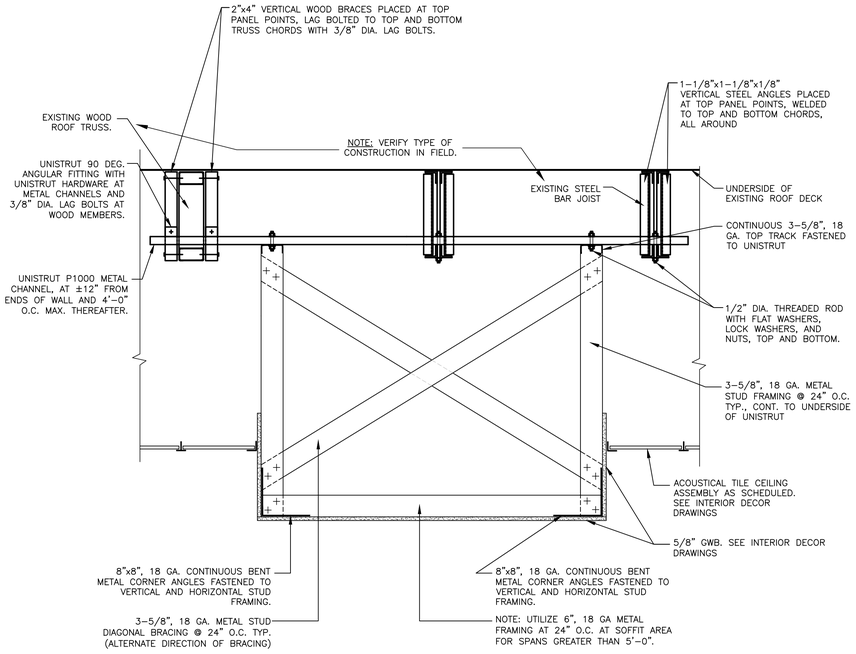
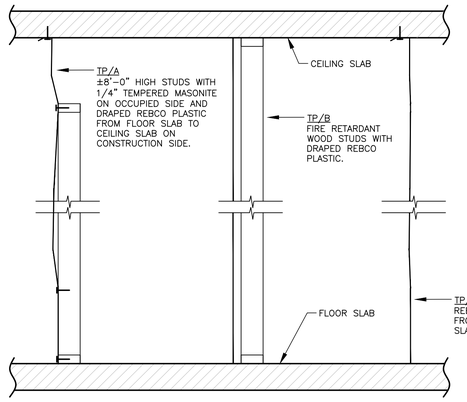


4 / A4.3 **SOFFIT AND FASCIA DETAIL**

NTS

5 / A4.3 **NOT USED**



NOTE:

THE PROTECTION DIAGRAMS TO THE LEFT ARE TO BE USED FOR ALL WORK IN SPACES CALLED OUT ON THE CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL FOLLOW THE INTENT DESCRIBED, HOWEVER DUE TO VARIATIONS IN EXISTING SPACES, MODIFICATIONS ARE PERMISSIBLE TO THE ACTUAL LAYOUT AND CONFIGURATION OF THE PROTECTION. ALL PROTECTION MUST BE APPROVED BY THE USER AND ARCHITECT PRIOR TO WORK STARTING.

PLATFORM SHALL BE INDEPENDENTLY SUPPORTED.

DUST/TEMPORARY PROTECTION PARTITIONS NOTE:

FURNISH AND INSTALL TEMPORARY DUST PROTECTION PARTITIONS WHERE INDICATED ON THE DRAWINGS AND WHERE DIRECTED BY THE McDONALDS REPRESENTATIVE. DUST PROTECTION IN USE DURING DEMOLITION, ALTERATION, RENOVATION, AND CONSTRUCTION WORK SHALL BE CONTINUOUSLY MAINTAINED TO RETAIN SEALS, PROVIDE MAXIMUM DUST CONTROL, AND PROVIDE A SAFE ENVIRONMENT FOR THE BUILDING OCCUPANTS.

TP/A DUST PROTECTION PARTITION

FULL HEIGHT, FLOOR TO SOLID CEILINGS, PARTITION COMPOSED OF 2x4, FIRE RETARDANT WOOD STUDS SPACED AT 24 INCHES ON CENTER. STEEL STUDS MAY BE USED TO PROTECT OFFICE AREAS ONLY AND SHALL BE GROUNDED TO THE BUILDING'S STEEL STRUCTURE WITH NO. 12 AWG SOLID COPPER WIRE. CLAD STUDS ON THE WORK SIDE WITH 1/4-INCH THICK TEMPERED MASONITE PANELS FROM FLOOR TO CEILING. SEAL PANEL JOINTS AND JOINTS AT CEILING, FLOOR, WALLS, AND ACCESS OPENINGS WITH DUCT TAPE. ACCESS OPENING THROUGH TP/A PARTITION SHALL BE FUNCTIONAL 3'x7' HINGED DOOR WITH A LATCH AND CONTINUOUS HEAD AND JAMB STOPS.

TP/B DUST PROTECTION PARTITION

FULL HEIGHT, FLOOR TO SOLID CEILINGS, PARTITION COMPOSED OF 2x4 FIRE RETARDANT WOOD STUDS SPACED AT 24 INCHES ON CENTER. STEEL STUDS MAY BE USED TO PROTECT OFFICE AREAS ONLY AND SHALL BE GROUNDED TO THE BUILDING'S STEEL STRUCTURE WITH NO. 12 AWG SOLID COPPER WIRE. CLAD STUDS ON THE WORK SIDE WITH 1/4-INCH THICK TEMPERED MASONITE PANELS TO THE CEILING WITH 6-MIL, FIRE-RETARDANT ANTI-STATIC, POLYETHYLENE SHEET. SEAL PANELS JOINTS AND POLYETHYLENE SHEET JOINTS AT CEILING, FLOOR WALLS AND ACCESS OPENINGS WITH DUCT TAPE. ACCESS OPENING THROUGH TP/B PARTITION SHALL BE FUNCTIONAL 3'x7' HINGED DOOR WITH A LATCH AND CONTINUOUS HEAD AND JAMB STOPS.

TP/C DUST PROTECTION PARTITION

FULL HEIGHT, FLOOR TO SOLID CEILING, 6-MIL, FIRE-RETRDANT, ANTI-STATIC POLYETHYLENE SHEET BY "REBCO"; OR EQUAL SEAL SHEETING JOINTS AT LAPS, CEILING, FLOOR, WALLS AND ACCESS OPENINGS WITH DUCT TAPE. THE OVERLAPPING SHEETS IN THE OPENING SHALL LAP EACH OTHER A MINIMUM OF 18 INCHES.

6 / A4.3 **TEMPORARY PARTITION DETAIL & NOTES**

CONSULTANT:

SUBMITTAL

NO.	DESCRIPTION	DATE	BY
0	FOR PERMIT	6/11/20	JEC
1	SAO INCORPORATED	01/11/20	OWJ

DRAWN BY: JEC
CHECKED BY: PKG
PC PROJ. MGR.
DATE ISSUED: 2019
SEC. ID NO.: 3172

PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST: 2020 MOD C

SHEET TITLE: SERVICE AREA MODERNIZATION DETAILS AND MISC. DETAILS

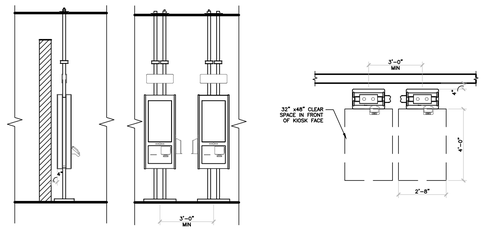
SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114

PROJECT NO. 4118000362

SHEET NO. **A4.3**

SINGLE SIDED KIOSK

CONFIGURATION: PARALLEL



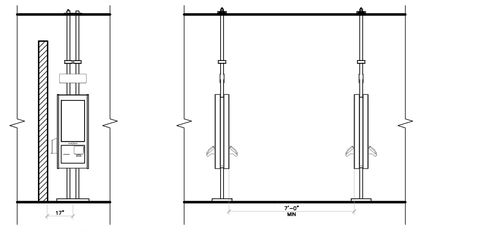
SIDE ELEVATION FRONT ELEVATION PLAN VIEW

GENERAL NOTES:

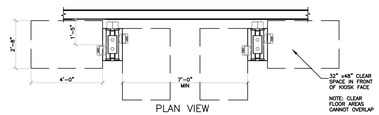
- –TYPICAL KIOSK QUANTITY (4), FINAL QUANTITY PER RESTAURANT TO BE DETERMINED BY MCDONALD'S OPERATIONS TEAM AND ACM
- –12' CLEAR DIMENSION HIGHLY RECOMMENDED BETWEEN FRONT COUNTER AND KIOSK *EXISTING CONDITIONS TO BE CONSIDERED
- –SEE PUCK HOLDER GUIDELINE FOR PLACEMENT
- –WALL FINISH BEHIND KIOSK TO COORDINATE WITH DECOR
- –POWER FROM ABOVE (WITH STANDARD CEILING HEIGHT) IF CEILING IS GREATER THAN 10'–6" CONTACT USRD PROJECT MANAGER, SEE KIOSK CUT SHEET FOR ADDITIONAL ELECTRICAL INFORMATION
- –CUSTOMER QUEUES MAY FORM AND CREATE CONGESTION WITH OTHER ORDER POINTS. USE THIS CONFIGURATION ONLY WHEN THERE IS SUFFICIENT CLEAR SPACE IN FRONT OF KIOSK
- –WALL OR PARTITION NOT NECESSARILY REQUIRED BEHIND KIOSK, SINGLE SIDED CONFIGURATION ACTS AS A PARTITION
- –SINGLE SIDED KIOSKS MAY BE ANGLED SLIGHTLY (10°–15°) TO PROVIDE BETTER SCREEN VISIBILITY
- –WORK WELL SIDE BY SIDE WITH A 5' WIDE PARTITION/WALL BEHIND

DOUBLE SIDED KIOSK

CONFIGURATION: PERPENDICULAR TO WALL/PARTITION MULTIPLE UNITS



SIDE ELEVATION FRONT ELEVATION



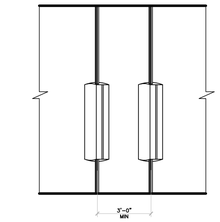
PLAN VIEW

GENERAL NOTES:

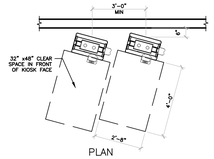
- –TYPICAL KIOSK QUANTITY (4), FINAL QUANTITY PER RESTAURANT TO BE DETERMINED BY MCDONALD'S OPERATIONS TEAM AND ACM
- –12' CLEAR DIMENSION HIGHLY RECOMMENDED BETWEEN FRONT COUNTER AND KIOSK *EXISTING CONDITIONS TO BE CONSIDERED
- –SEE PUCK HOLDER GUIDELINE FOR PLACEMENT
- –WALL FINISH BEHIND KIOSK TO COORDINATE WITH DECOR
- –POWER FROM ABOVE (WITH STANDARD CEILING HEIGHT) IF CEILING IS GREATER THAN 10'–6" CONTACT USRD PROJECT MANAGER, SEE KIOSK CUT SHEET FOR ADDITIONAL ELECTRICAL INFORMATION
- –IDEAL WHEN PLACED IN FRONT OF THE SERVICE AREA, LESS LIKELY TO INTERFERE WITH FRONT COUNTER QUEUING
- –IDEAL WHEN TRYING TO CAPTURE CUSTOMERS FROM TWO ENTRANCES
- –LEVERAGES EXISTING DECOR ELEMENTS TYPICALLY SEEN IN OUR STANDARD DECOR LAYOUTS
- –THIS IS THE PREFERRED PLACEMENT CONFIGURATION

OTHER KIOSK PLACEMENT

KIOSK CAN BE ANGLED AND/OR FREE FLOATING



FRONT ELEVATION



PLAN

GENERAL NOTES:

- –TYPICAL KIOSK QUANTITY (4), FINAL QUANTITY PER RESTAURANT TO BE DETERMINED BY MCDONALD'S OPERATIONS TEAM AND ACM
- –12' CLEAR DIMENSION HIGHLY RECOMMENDED BETWEEN FRONT COUNTER AND KIOSK *EXISTING CONDITIONS TO BE CONSIDERED
- –SEE PUCK HOLDER GUIDELINE FOR PLACEMENT
- –WALL FINISH BEHIND KIOSK TO COORDINATE WITH DECOR
- –POWER FROM ABOVE (WITH STANDARD CEILING HEIGHT) IF CEILING IS GREATER THAN 10'–6" CONTACT USRD PROJECT MANAGER, SEE KIOSK CUT SHEET FOR ADDITIONAL ELECTRICAL INFORMATION
- –CONSIDER SIZE OF BASE PLATE FOR CLEARANCE WHEN ANGLING A KIOSK AGAINST A WALL/PARTITION
- –KIOSK MAY BE TURNED ON AN ANGLE TO INCREASE SCREEN VISIBILITY
- –DOUBLE SIDED OR SINGLE SIDED KIOSKS CAN BE FREE FLOATING OR ANGLED
- –WHEN SPACE ALLOWS, THIS SOLUTION IS THE ULTIMATE IN INTERRUPTING CUSTOMERS AND IDEAL WHEN LARGE GROUPS ARE EXPECTED TO ORDER TOGETHER
- –ENSURE ADEQUATE CIRCULATION AROUND FREE FLOATING KIOSKS
- –IDEAL WHEN A LARGE QUANTITY OF KIOSK FACES ARE REQUIRED

PUCK DISPENSER

LOCATION GUIDELINES

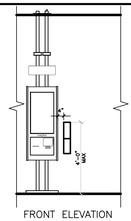
GENERAL NOTES

- –FLUSH MOUNT PUCK DISPENSER PER KIOSK FACE
- –BOTTOM OF SINGLE PUCK DISPENSER SHOULD NEVER BE LOWER THAN 27" AFF
- –TOP OF PUCK DISPENSER NEVER HIGHER THAN 48" AFF

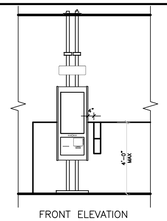
PUCK LOCATION 'A'

- –HME FLUSH MOUNT PUCK DISPENSER
- –KIOSK PARALLEL TO WALL
- –PUCK DISPENSER TO BE MOUNTED ON THE WALL OR PARTITION BEHIND THE KIOSK
- –PUCK LOCATOR TO ALWAYS BE MOUNTED 4" TO THE RIGHT OF THE KIOSK IF SPACE ALLOWS
- *DISPENSER MAY BE MOUNTED EITHER DIRECTLY TO KIOSK OR TO WALL BEHIND KIOSK

PLAN VIEW



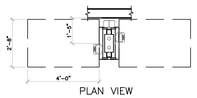
FRONT ELEVATION



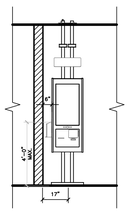
FRONT ELEVATION

PUCK LOCATION 'B'

- –HME FLUSH MOUNT PUCK DISPENSER
- –KIOSK PERPENDICULAR TO WALL
- –PUCK DISPENSER TO BE MOUNTED DIRECTLY TO KIOSK, BACK TO BACK
- –DISPENSERS SHOULD ALWAYS BE MOUNTED ON KIOSK SIDE CLOSEST TO THE WALL



PLAN VIEW



FRONT ELEVATION

KIOSK LOCATION PRINCIPLES

LOCATION GUIDELINE

1

New Constrution Standards: Kiosk placement inside the 12'-0" customer service area where the typical décor wall is located

MRP/EOTF Standards: Kiosk placement — 10'-0" customer service area where the typical décor wall is located

Take into account which entrance is the main entrance

Make kiosks immediately visible upon entry

Position kiosks along main customer path before they reach the traditional front counter, visually interrupting their journey

Avoid conflicts with customer congestion at other order points

Provide sufficient space for larger groups, families and universal design accessibility

Ensure path from kiosk to service area is clear

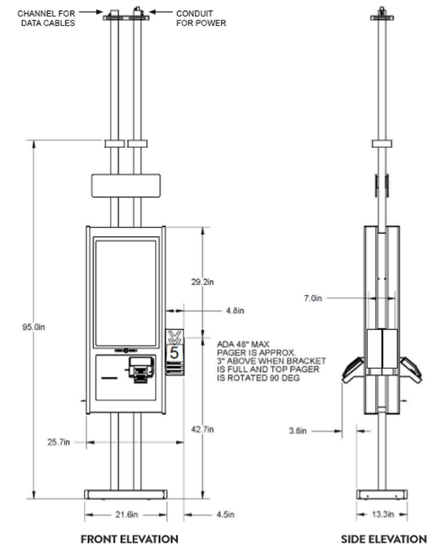
Consider privacy of those dining when kiosks are adjacent to seating

Leverage decor to help customers navigate through the space

Cluster kiosks close to one another to optimize kiosk coach interaction with customers

KIOSK CUT SHEET

6



FRONT ELEVATION **SIDE ELEVATION**

NOTES:

1. Single sided kiosk uses 8A @ 120V. Provide 20A MOCP within CP panel
2. Double sided kiosk uses 9A @120V. Provide 20A MOCP within CP panel
3. Power from above (with standard ceiling height) If ceiling is above 10'6" contact USRD Project Manager

PREPARED BY:
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21 B Street | Burlington, MA 01803
Tel: (781) 273-2500 | www.ebiconsulting.com

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FIRM C OF A NO.: # X-XXXX

SIGNED BY:

STATE OF MISSOURI
JOSHUA W. CARRELL
NUMBER A-2018040323
ARCHITECT

DATE: 01/04/2021

NAME: JOSHUA CARRELL

LICENSE NO: ARC07675

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PREPARED FOR: McDonald's USA, LLC

CONSULTANT:

SUBMITTAL

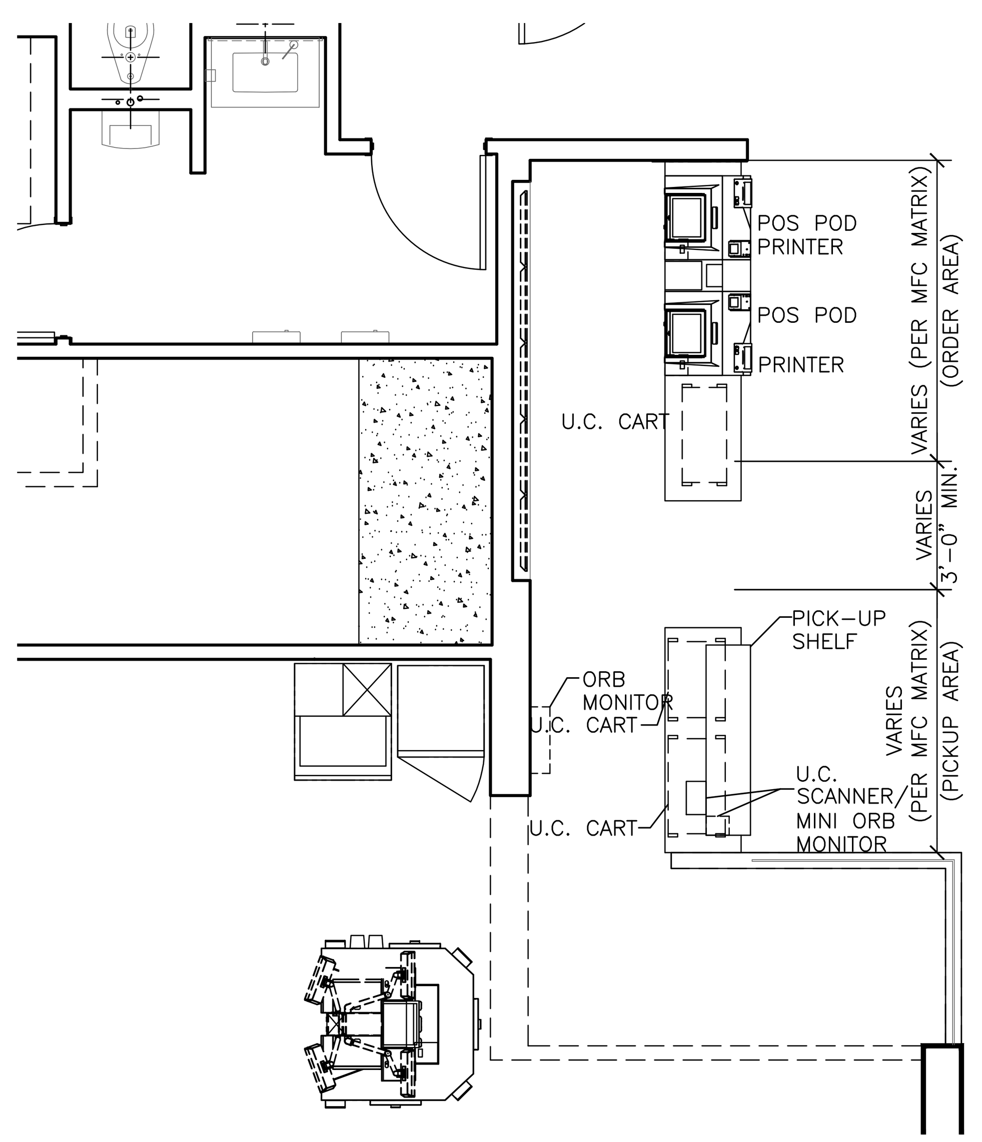
NO.	DESCRIPTION	DATE	BY
0	FOR PERMIT	6/11/20	JEC
1	SAO INCORPORATED	01/11/20	OWJ

DRAWN BY: JEC
REVIEWED BY: PKG
QC (INITIAL ONLY):
DATE ISSUED: 2019
EBI ID NO: 3172

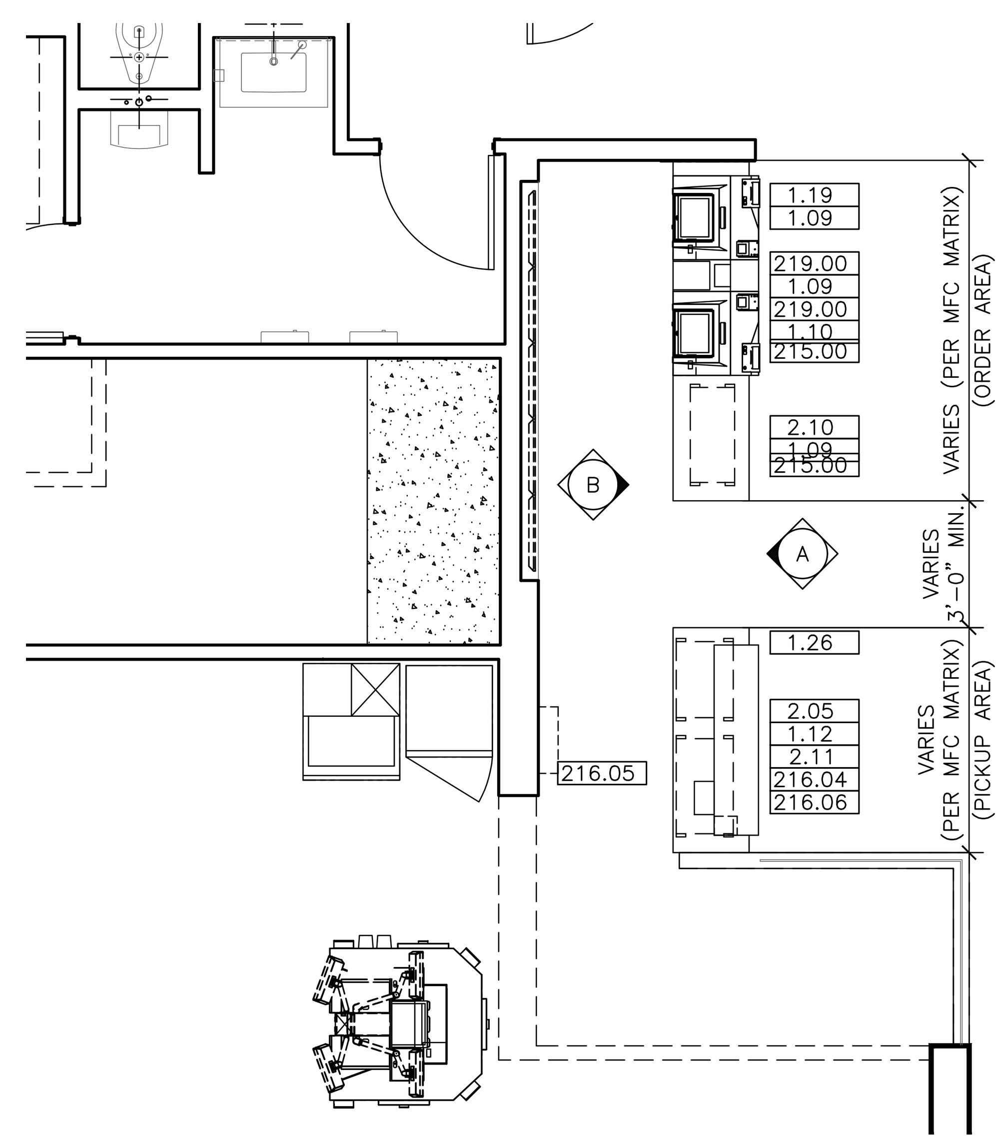
PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST: 2020 MOD C
SHEET TITLE: KIOSK SLIP SHEET
SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114

PROJECT NO. 4118000362

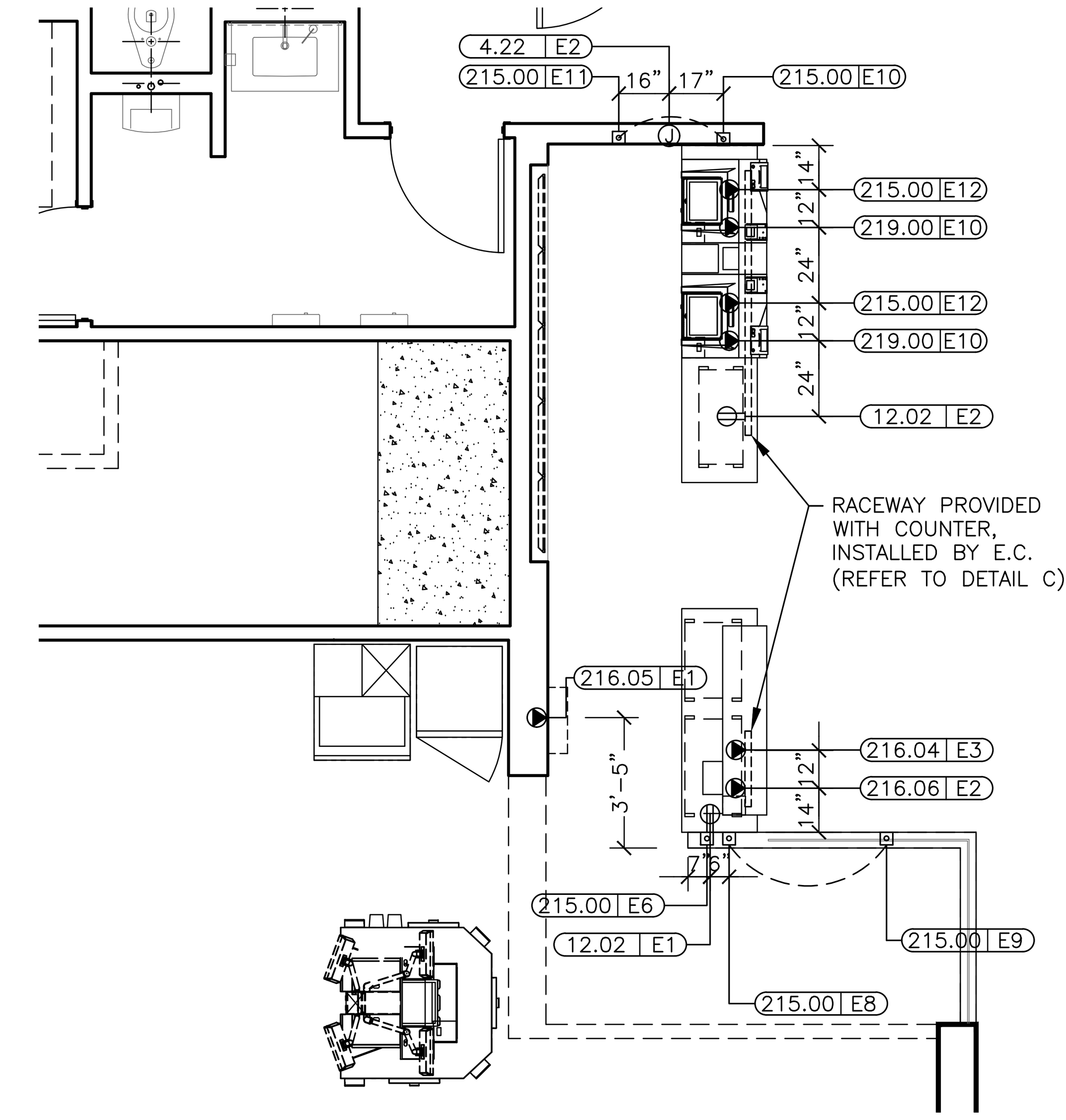
SHEET NO: A4.4



1 KITCHEN COVER SHEET
N.T.S.

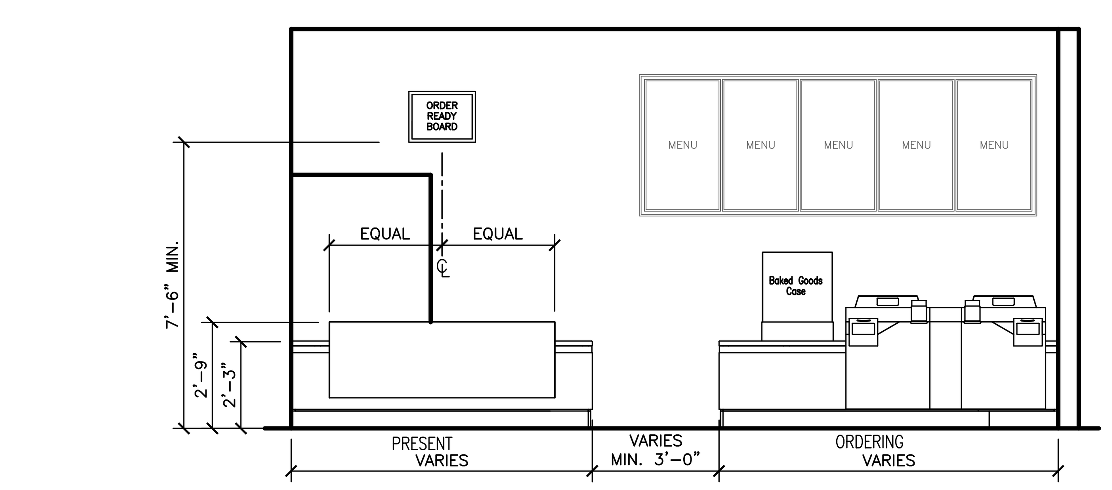


2 KITCHEN EQUIPMENT LAYOUT
N.T.S.

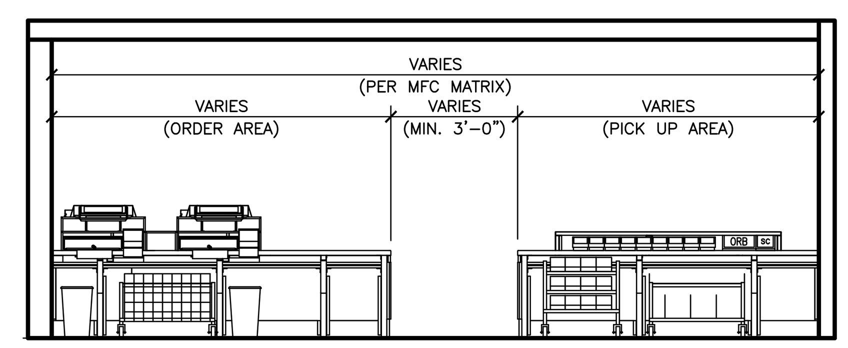


3 ELECTRICAL ROUGH-IN PLAN
N.T.S.

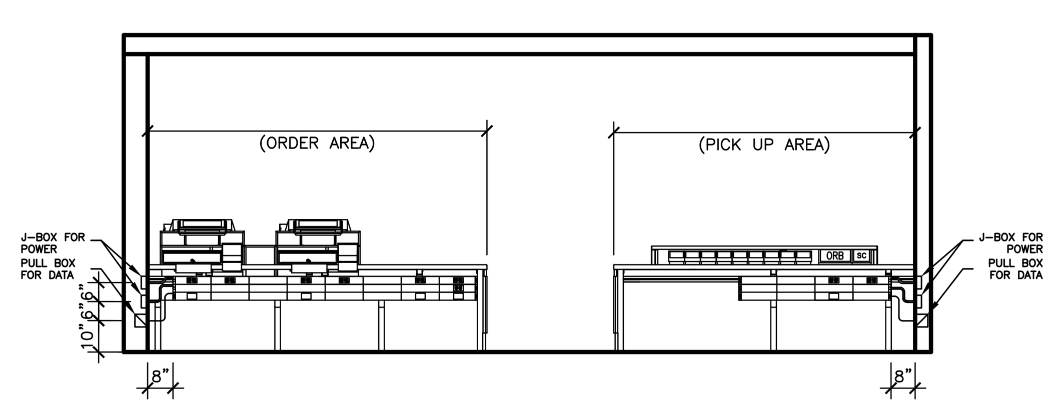
EOTF MODULAR FRONT COUNTER SLIP-SHEET WITH DELIVERY SYSTEM & FUTURE READY FOR BAKED GOODS



A FRONT COUNTER (CUSTOMER SIDE)
N.T.S.



B FRONT COUNTER (CREW SIDE)
N.T.S.



C MODULAR COUNTER RACEWAY (TYP.)
N.T.S.

SYMBOL	CATALOG #	DESCRIPTION	QUANTITY
	HBLALU57DR & IG4700	RECEPTACLE COVERPLATE WITH ORANGE, TWIST LOCK, ISOLATED GROUND DUPLEX RECEPTACLE	1 PER ISOLATED GROUND RECEPTACLE
	HBLALU57DR & 5-15R	RECEPTACLE COVERPLATE WITH STRAIGHT BLADE DUPLEX RECEPTACLE	1
	HBLALU57LPB	COMMUNICATIONS COVERPLATE	1 PER REGISTER & 1 FOR DUAL POINT & 1 FOR ANALOG WIRELESS OPTION
	HBLALU57BL	BLANK COVERPLATE	AS NECESSARY TO FILL RACEWAY
	HBLALU7620B03M290	3' SECTION OF RACEWAY. INCLUDES COUPLERS	AS NECESSARY TO MAKE ORDER COUNTER RACEWAY 1' LESS THAN COUNTER LENGTH. INSTALL (2) 2' OR 3' RACEWAY AT PICKUP
	HBLALU7620B02M290	2' SECTION OF RACEWAY, INCLUDES COUPLERS	AS NECESSARY TO MAKE ORDER COUNTER RACEWAY 1' LESS THAN COUNTER LENGTH. INSTALL (2) 2' OR 3' RACEWAY AT PICKUP
	HBLALU7610B	BLANK END FITTING	AS NEEDED
N/A	HBLALU5010B2M2	SERVICE ENTRANCE FITTING & BUSHING FOR DATA CABLES	AS NEEDED
N/A	HBLALU5701	COUPLER (INCLUDED WITH RACEWAY SECTION)	RECEIVE 1 PAIR PER RACEWAY SECTION
	HBLALU5709	GROUND ADAPTER	AS NEEDED

NOTES:
1. RACEWAY AND ISOLATED GROUND RECEPTACLES TO BE PROVIDED WITH MODULAR FRONT COUNTER, INSTALLED BY CONTRACTOR.
2. DETAIL SHOWN IS A TYPICAL CONFIGURATION ONLY. SITE SPECIFICS MIGHT CAUSE DEVIATIONS. SHORTER COUNTERS MAY REQUIRE CONTRACTOR TO CUT RACEWAY FOR RACEWAY TO BE 1' SHORTER THAN COUNTER.

ELECTRICAL RACEWAY NOTES:
1. RACEWAY AND RECEPTACLES TO BE PROVIDED WITH MODULAR FRONT COUNTER, INSTALLED BY CONTRACTOR.
2. DETAIL SHOWN IS A TYPICAL CONFIGURATION ONLY. SITE SPECIFICS MIGHT CAUSE DEVIATIONS.

EQUIPMENT SCHEDULE

x = Optional Equipment
GC = General Contractor
R = Relocated Equipment
VIF = Verify in Field

ITEM	O	QTY	DESCRIPTION	MANUFACTURER	MODEL #	UL	NSF	FURNISHED	GENERAL REMARKS	SPECIAL REQUIREMENTS
1.09		3	MODULAR FRONT COUNTER POS POD	DECOR	MFC-POS	–	2	GC	–	
1.10		1	MODULAR FRONT COUNTER COOKIE DISPLAY	DECOR	MFC-CD	–	2	GC	–	
1.12		1	MODULAR FRONT COUNTER OVERSHELF – 48"	DECOR	MFC-OS-48	–	2	GC	–	
1.19		1	MODULAR FRONT COUNTER BASE – 108"	DECOR	MFC-108	–	2	GC	–	
1.26		1	MODULAR FRONT COUNTER BASE – 96"	DECOR	MFC-96	–	2	GC	–	
2.05		1	UNDER COUNTER CART – 24"W x 18"D FRONT COUNTER	INTERMETRO	UC18-DMS	–	2	KES	–	
2.10		1	BAG/NAPKIN STOCK CART	INTERMETRO	MCD-DP1430B	–	2	KES	–	
2.11		1	CUP AND LID SLEEVE STOCK CART	INTERMETRO	MCD-DP1830CS	–	2	KES	–	
215.00		3	POS REGISTER – FRONT COUNTER	BY OWNER	BY OWNER	OEM	–	OWNER	INCLUDES MONITOR AND CPU	
216.04		1	ORB MINI MONITOR	BY OWNER	BY OWNER	–	–	OWNER	UNDER COUNTER BRACKET BY POS SUPPLIER	
216.05		1	ORB MONITOR	BY OWNER	BY OWNER	–	–	OWNER	MOUNTING KIT PROVIDED BY KES	
216.06		1	ORB SCANNER	BY OWNER	BY OWNER	–	–	OWNER	UNDER COUNTER BRACKET BY POS SUPPLIER	
219.00		3	POS – RECEIPT PRINTER	BY OWNER	BY OWNER	OEM	–	OWNER	–	

ELECTRICAL SCHEDULE

PB = Pullbox
JB = Junction Box
EC = Electrical Contractor
VIF = Verify in Field

TAG #	QTY	DESCRIPTION	VOLT/PH	FLA	BRK SIZE	COND/WIRE	PNL/CCT	RECEP TYPE	HGT AFF	REQUIREMENTS & REMARKS
004.22E2	1	DIGITAL INTERRUPT PANEL	–	–	–	1/2"C	–	JB	ABOVE CLG.	EC TO PROVIDE JB WITH BLANK COVER PLATE AND 1/2" EMPTY CONDUIT TO 4.20E3
012.02E1	1	BAKED GOODS DISPLAY CASE – 22"	120/1	2.5	15A	1/2"C-2#12	AP-3:1	5-15R	1'-6"	–
012.02E2	1	BAKED GOODS DISPLAY CASE – 22"	120/1	2.5	15A	1/2"C-2#12	AP-3:1	5-15R	SEE RMKS	PROVIDE RECEP. IN COUNTER-MOUNTED RACEWAY
211.00E1	1	DELIVERY TABLET	120/1 ISOLATED	1.5	20A	1/2"C-2#12IG	CP:21	IG5262	SEE RMKS	TABLET LOCATED IN ASSEMBLY AREA AFTER DISPLAY IS INTEGRATED WITH POS. VERIFY EXACT MOUNTING LOCATION IN FIELD.
211.00E2	1	DELIVERY TABLET	120/1 ISOLATED	1.5	20A	1/2"C-2#12IG	CP:4	SEE RMKS	SEE RMKS	TABLET LOCATED AT FRONT COUNTER UNTIL DISPLAY IS INTEGRATED WITH POS. POWER FROM SAME RECT. AS 219.00E10 VIA TWIST-LOCK ADAPTER PROVIDED WITH UNIT.
215.00E10	1	POS REGISTER – FRONT COUNTER	DATA CABLE	–	–	–	–	4x4x4 PB	1'-2"	EXTEND 2 1/2" CONDUIT TO 215.00E11 FOR POS DATA CABLES
215.00E11	1	POS REGISTER – FRONT COUNTER	DATA CABLE	–	–	–	–	4x4x4 PB	1'-2"	EXTEND 2 1/2" CONDUIT TO ABOVE CEILING AND TO 215.00E10 FOR POS DATA CABLES
215.00E12	3	POS REGISTER – FRONT COUNTER	120/1 ISOLATED	3.0 EA.	–	3/4"C-2#12IG	CP:19	IG4700	SEE RMKS	PROVIDE IG RECEP. IN COUNTER-MOUNTED RACEWAY
215.00E8	1	POS REGISTER – FRONT COUNTER	DATA CABLE	–	–	–	–	4x4x4 PB	1'-2"	EXTEND 2 1/2" CONDUIT UNDER SLAB TO 215.00E9 FOR POS DATA CABLES
215.00E9	1	POS REGISTER – FRONT COUNTER	DATA CABLE	–	–	–	–	4x4x4 PB	1'-2"	EXTEND 2 1/2" CONDUIT UNDER SLAB TO 215.00E8 AND 2 1/2" CONDUIT TO ABOVE CEILING FOR POS DATA CABLES
216.04E3	1	ORB MONITOR (MINI)	120/1 ISOLATED	1.5 EA.	20A	3/4"C-2#12IG	CP:4	IG4700	SEE RMKS	PROVIDE IG RECEP. IN COUNTER-MOUNTED RACEWAY
216.05E1	1	ORB MONITOR	120/1 ISOLATED	1.5 EA.	20A	1/2"C-2#12IG	CP:4	IG4700	FLUSH ON CLG	–
216.06E2	1	ORB SCANNER	120/1 ISOLATED	1.5 EA.	20A	3/4"C-2#12IG	CP:4	IG4700	SEE RMKS	PROVIDE IG RECEP. IN COUNTER-MOUNTED RACEWAY
219.00E10	3	POS – RECEIPT PRINTER	120/1 ISOLATED	0.7	20A	3/4"C-2#12IG	CP:4	IG4700	SEE RMKS	PROVIDE IG RECEP. IN COUNTER-MOUNTED RACEWAY

ELECTRICAL SCHEDULE NOTES:
1. CIRCUIT NUMBERS SHOWN ARE FOR DESIGN INTENT ONLY. ACTUAL CONDITIONS WILL AFFECT CIRCUITRY.
2. WHEN AVAILABLE ONLY ONE BAKED GOODS CASE WILL BE PROVIDED PER RESTAURANT.

PREPARED BY:
EBI Consulting
ENVIRO BUSINESS, INC.
21 B Street | Burlington, MA 01803
Tel: (781) 273-2500 | www.ebiconsulting.com
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FIRM C OF A NO.: # X-XXXX

SIGNED BY:

DATE: 01/04/2021
NAME: JOSHUA CARRELL
LICENSE NO: ARC07675

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CONSULTANT:

SUBMITTAL

NO.	DESCRIPTION	DATE	BY
0	FOR PERMIT	6/11/20	JEC
1	SAO INCORPORATED	01/11/20	OWJ

DRAWN BY	REVIEWED BY	STD ISSUE DATE	DATE ISSUED	SITE ID NO.
JEC	PKG	2019	2019	3172

PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST: 2020 MOD C
SHEET TITLE: DUAL POINT SLIP SHEET
SITE ADDRESS: 1300 WEST 103rd STREET KANSAS CITY, MO 64114
PROJECT NO. 4118000362
SHEET NO. DP1.0

SOME ABBREVIATIONS AND SYMBOLS MAY NOT BE USED IN THE DOCUMENTS THAT FOLLOW.

ABBREVIATION	DESCRIPTION
BV	BALANCING VALVE
BPW	BED PAN WASHER
CA	COMPRESSED AIR
CO	CLEAN OUT
COTG	CLEAN OUT TO GRADE
COP	CLEANOUT PLUG
CS	CLINIC SINK
CW	COLD WATER
CD, SCD	CONDENSATE DRAIN (PRIMARY), SECONDARY
DE	DEIONIZED WATER
DFU	DRAINAGE FIXTURE UNIT
DWS	DRINKING WATER SUPPLY
EST.	ESTIMATED
ET	EXPANSION TANK
EW	EMERGENCY EYE WASH
EWC	ELECTRIC WATER COOLER
EX. OR (E)	EXISTING
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FLR.	FLOOR
FS	FLOOR SINK
FV	FLUSH VALVE
GW	GREASE WASTE
HB	HOSE BIB
HW	HOT WATER
HWR	HOT WATER RECIRC.
LA	LAB AIR
LAV	LAVATORY
MB	MIXING BOX
MER	MECHANICAL ROOM
MAX.	MAXIMUM
MIN.	MINIMUM
MS	MOP SINK
NOM.	NOMINAL
P	PUMP
PD	PRESSURE DROP
PP	PLUMBING PUMP(RECIRC. PUMP)
PR	PRESSURE REGULATOR
PRV	PRESSURE REDUCING VALVE
PW	PURE WATER
RO	REVERSE OSMOSIS
RPZ	REDUCED PRESSURE BACKFLOW PREVENTOR
S	SINK
SAN	SANITARY WASTE
SB	SPINAL CORD BATH
SFU	SUPPLY FIXTURE UNIT
SH	SHOWER
SP	STATIC PRESSURE
SPS	STATIC PRESSURE SENSOR
TP	TRAP PRIMER
TT	TANK TYPE
U	URINAL
V	VENT
VFD	VARIABLE FREQUENCY DRIVE
VI	VIBRATION ISOLATOR
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WFMD	WATER FLOW MEASURING DEVICE
WH	WATER HEATER
WHA	WATER HAMMER ARRESTER
WS	WATER SOFTENER

SYMBOL	DESCRIPTION
	DIRECTION OF PIPE PITCH (DOWN)
	DIRECTION OF FLOW
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	CAPPED OUTLET
	RISE OR DROP IN PIPE
	UNION
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	STRAINER
	THERMOMETER
	PRESSURE GAGE
	ELBOW TURNED UP
	ELBOW TURNED DOWN
FCO	FLOOR CLEANOUT
COP	CLEANOUT PLUG OR FINISHED WCO
	BALL VALVE
	SHUT-OFF VALVE
	SAFETY VALVE (SV), RELIEF VALVE (RV), SAFETY RELIEF VALVE (SRV)
BP	BACK-FLOW PREVENTER

PLUMBING LEGEND

(N) NEW
(E) EXISTING TO REMAIN
(X) EXISTING TO BE REMOVED
(R) EXISTING TO BE RELOCATED

CW COLD WATER
FW — FCW FILTERED COLD WATER
HW HOT WATER
SS — W WASTE
V VENT
D — D CONDENSATE DRAIN
POINT OF CONNECTION NEW TO EXISTING
VTR VENT THRU ROOF

PLUMBING SPECIFICATION

A. GENERAL

1. REFER TO ALL OTHER DRAWINGS AND SPECIFICATIONS, AND BE RESPONSIBLE FOR ALL APPLICABLE PROVISIONS THEREIN. FURNISH AND INSTALL ALL NECESSARY LABOR AND MATERIALS FOR A COMPLETE SYSTEM. ANY APPLIANCES OR MATERIALS OBVIOUSLY A PART OF THE SYSTEM AND NECESSARY FOR ITS PROPER OPERATION, ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN, SHALL BE FURNISHED AND INSTALLED AS IF CALLED FOR IN DETAIL. WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND NFPA 90A AND THE BUILDING REGULATIONS. ATTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES. EQUIPMENT AND MATERIALS SHALL BE NEW, UNLESS OTHERWISE SPECIFIED.

2. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EVERY FITTING, OFFSET, DROP AND RISE OF RUNS, AND DETAIL. INSTALL DUCTS, EQUIPMENT AND CONTROLS IN A NEAT, WORKMANLIKE MANNER AND IN ACCORDANCE WITH GOOD PRACTICE FOR A COMPLETE, WORKABLE INSTALLATION. AVOID CONFLICT WITH LOCATIONS OF FIXTURES, APPARATUS, DUCTWORK AND PIPING, AND WHILE THESE ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE, IF IT IS NECESSARY TO CHANGE THE LOCATION OF SAME TO ACCOMMODATE BUILDING CONDITIONS, MAKE CHANGES WITHOUT ADDITIONAL COST TO THE OWNER AND AS APPROVED BY THE ARCHITECT. PROVIDE ADEQUATE ACCESS TO THE EQUIPMENT AND APPARATUS REQUIRING OPERATION, SERVICE OR MAINTENANCE WITHIN THE LIFE OF THE SYSTEM. DO NOT RUN PIPING OR DUCTWORK OR LOCATE EQUIPMENT (WITH RESPECT TO SWITCHBOARDS, PANEL BOARDS, POWER PANELS, MOTOR CONTROL CENTERS OR DRY TYPE TRANSFORMERS) WITHIN 42 INCHES OF FRONT OF EQUIPMENT, OVER EQUIPMENT, OR WITHIN 36 INCHES HORIZONTALLY OF SAME SPACE.

B. EXISTING CONDITIONS

1. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH JOB CONDITIONS BEFORE SUBMITTING HIS PROPOSAL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS AND SIZES OF ALL EXISTING UTILITY SERVICES PRIOR TO SUBMITTING HIS PROPOSAL. NO CONSIDERATION WILL BE GIVEN TO CLAIMS FOR EXTRA COST ARISING FROM CONTRACTORS FAILURE TO BE FULLY COGNIZANT OF JOB OR SITE CONDITIONS EXISTING AT TIME OF ACCEPTANCE OF BID.

2. IF DURING THIS INSPECTION THE CONTRACTOR FINDS ANY OBSTRUCTION OR INTERFERENCE THAT MAY PROHIBIT THE PROPER INSTALLATION OF HIS WORK, HE IS TO MAKE IT KNOWN TO THE BUILDING MANAGEMENT AND/OR OWNER AND TENANT BEFORE AND AT THE TIME OF SUBMITTING HIS PROPOSAL.

3. BY SUBMISSION OF THE BID, IT IS UNDERSTOOD THAT SUCH INSPECTION HAS BEEN MADE AND INCLUDES ALL THE MATERIALS AND REQUIRED RELOCATION FOR ALL WORK.

4. ACTIVE SERVICES, WHEN ENCOUNTERED IN WORK, PROTECT, BRACE, SUPPORT EXISTING ACTIVE SEWERS, GAS AND OTHER SERVICES REQUIRED FOR PROPER EXECUTION OF WORK. IF EXISTING ACTIVE SERVICES ARE ENCOUNTERED THAT REQUIRE RELOCATION, RELOCATE AS APPROVED. DO NOT PREVENT OR DISTURB OPERATION OF ACTIVE SERVICES THAT ARE TO REMAIN.

5. INACTIVE SERVICES, WHEN ENCOUNTERED IN WORK, REMOVE, CAP OR PLUG INACTIVE SERVICES, AS INDICATED.

6. INTERRUPTION OF SERVICES, WHERE WORK MAKES TEMPORARY SHUT-DOWNS OF SERVICES UNAVOIDABLE, SHUT DOWN AT NIGHT, OR AT SUCH TIMES AS APPROVED BY OWNER AND THE BUILDING MANAGEMENT, WHICH WILL CAUSE LEAST INTERFERENCE WITH ESTABLISHED OPERATING ROUTINE. ARRANGE WORK TO ASSURE THAT SERVICES WILL BE SHUT DOWN ONLY DURING THE ACTUALLY REQUIRED TIME TO MAKE NECESSARY CONNECTION TO EXISTING WORK.

7. WHERE EXISTING WALLS, CEILINGS, FLOORS, ETC., ARE CUT OR OTHERWISE DAMAGED DURING CONSTRUCTION, REPAIR ALL SURFACES TO THEIR ORIGINAL CONDITION.

C. COORDINATION

1. COORDINATE ALL WORK UNDER THIS DIVISION WITH WORK UNDER OTHER DIVISIONS. PROVIDE ADJUSTMENTS AS NECESSARY, EQUIPMENT, APPARATUS, DUCTWORK, PIPING, ETC., INSTALLED WITHOUT REGARD FOR THE SPACE REQUIREMENTS OF OTHER TRADES WILL BE REWORKED AT THE EXPENSE OF THE INSTALLING SUB-CONTRACTOR IF IT CREATES AN UNNECESSARY HINDRANCE TO THE INSTALLATION OF ANOTHER TRADES WORK. ALL ITEMS MOUNTED AT OR BELOW THE CEILING, AND ANY ITEM PENETRATING THE CEILING, SHALL BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.

D. PROTECTION OF WORK DURING CONSTRUCTION

1. PROVIDE PROTECTIVE COVERS, SKID, PLUGS OR CAPS TO PROTECT EQUIPMENT AND MATERIALS FROM DAMAGE AND DETERIORATION DURING CONSTRUCTION. PROTECT EXPOSED COILS WITH PLYWOOD OR OTHER SUITABLE RIGID COVERS TO AVOID DAMAGE TO FINS.

2. CONTRACTOR SHALL TAKE PRECAUTIONS AGAINST DAMAGING OR DISRUPTING BUILDING SYSTEMS, WIRING OR CONTROL TUBING FOR ADJACENT TENANTS. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTORS COST.

3. PROTECT ALL EQUIPMENT AND MATERIALS FROM DAMAGE. ANY DAMAGE SHALL BE REPAIRED USING THE SAME MATERIALS AT THE CONTRACTOR'S COST.

PLUMBING SPECIFICATION (CONT.)

E. GUARANTEE

1. MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED AGAINST DEFECTS FOR ONE YEAR.

F. SUBMITTALS

1. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH THE REQUIREMENTS OF DIVISION 1, AND AS FOLLOWS. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S CERTIFIED DIMENSIONAL DATA, ROUGH-IN REQUIREMENTS, AND WARRANTY INFORMATION. SUBMIT SHOP DRAWINGS FOR THE FOLLOWING:

1.1. PLUMBING FIXTURES
1.2. PIPING MATERIAL
1.3. PIPING INSULATION

G. PIPE INSULATION

1. FIBERGLASS, MINIMUM DENSITY OF 4 POUNDS PER CUBIC FOOT (P.C.F.), K FACTOR 0.23 MAXIMUM AT 75 DEGREE F MEAN, WITH FACTORY-APPLIED ALL-SERVICE JACKET (ASJ) COMPOSED OF REINFORCED KRAFT AND ALUMINUM FOIL LAMINATE. JACKET SHALL HAVE SELF-SEALING LAP TO FACILITATE CLOSING LONGITUDINAL AND END JOINTS

2. ASTM C547, CLASS 1 (-20 DEGREE F TO 500 DEGREE F)

3. ACCEPTABLE PRODUCTS:

3.1. OWENS/CORNING FIBERGLASS SSLII
3.2. KNAUF PIPE INSULATION ASJ/SSL

H. INSTALLATION OF PIPE INSULATION

1. INSTALL INSULATION ON PIPE SYSTEMS SUBSEQUENT TO TESTING AND ACCEPTANCE OF TEST.

2. MAINTAIN INTEGRITY OF VAPOR-BARRIER JACKETS ON PIPE INSULATION, AND PROTECT TO PREVENT PUNCTURE OR OTHER DAMAGE. SEAL OPEN ENDS OF INSULATION WITH MASTIC. SECTIONALLY SEAL ALL BUTT ENDS OF ALL COLD WATER PIPING INSULATION AT FITTINGS WITH WHITE VAPOR BARRIER COATING.

3. COVER VALVES, FLANGES, FITTINGS, AND SIMILAR ITEMS IN EACH PIPING SYSTEM WITH EQUIVALENT THICKNESS AND COMPOSITION OF INSULATION AS APPLIED TO ADJOINING PIPE RUN. INSTALL FACTORY MOLDED, PRECUT OR JOB FABRICATED UNITS (AT INSTALLER'S OPTION). FINISH COLD PIPE FITTINGS WITH WHITE VAPOR BARRIER COATING AND HOT PIPING WITH WHITE VINYL ACRYLIC MASTIC, BOTH REINFORCED WITH GLASS CLOTH.

4. EXTEND PIPING INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, HANGERS, AND SIMILAR PIPING PENETRATIONS, EXCEPT WHERE INDICATED.OTHERWISE.

5. INSTALL PROTECTIVE METAL SHIELDS AND FOAMGLASS INSERTS WHERE PIPE HANGERS BEAR ON OUTSIDE OF INSULATION.

6. INSULATION REQUIREMENT FOR DOMESTIC WATER PIPING: FIBERGLASS,1/2 INCH THICK OVER ALL FITTINGS, DRAINS AND STOPS

I. PIPING

1. GENERAL: PIPING SHALL BE COMPLETE WITH PIPE FITTINGS, VALVES, COUPLINGS, STRAINERS, HANGER RODS, HANGERS, SUPPORTS, GUIDES, SLEEVES AND ACCESSORIES IN CONFORMANCE WITH THE LATEST CODES AND ASME, ANSI, ASTM AND MSS STANDARDS. PROVIDE VERTICAL AND HORIZONTAL SUPPORTS AS REQUIRED BY CODES TO MEET MINIMUM APPLICABLE EARTHQUAKE RESISTANCE STANDARDS.

2. PROVIDE FITTINGS FOR CHANGE IN PIPE SIZE AND FOR FINAL CONNECTION AT EQUIPMENT, AS REQUIRED.

3. PROVIDE UNION CONNECTIONS AT EACH PIECE OF EQUIPMENT AND ON EACH SIDE OF ALL VALVES AND IN-LINE EQUIPMENT.

4. PROVIDE VALVED AND CAPPED CONNECTIONS AT ALL POINTS IN PIPING SYSTEMS REQUIRED FOR DRAINING SYSTEMS.

5. PIPING SUPPORTS

5.1. HORIZONTAL PIPING AND PIPING HANGERS SHALL BE ADJUSTABLE CLEVIS TYPE "CARPENTER + PATTERSON" FIGURE NO. 100 OR 100 SH OR APPROVED EQUAL. HANGER RODS SHALL BE OF THE FOLLOWING DIAMETER:

PIPE SIZE: 2 INCH & SMALLER: ROD DIAMETER: 3/8 INCH, MAX SPACING: 6 FEET.

PIPE SIZE: 2-1/2 INCH TO 3-1/2: ROD DIAMETER: 1/2 INCH, MAX SPACING: 8 FEET.

PLUMBING SPECIFICATION (CONT.)

6. PIPING MATERIAL

6.1. ABOVEGROUND DOMESTIC WATER PIPING SHALL BE TYPE "L" HARD DRAWN COPPER TUBING CONFORMING TO ASTM B 88. ALL COOPPER PIPE SHALL BE CERTIFIED LEAD-FREE ACCORDING TO ANSI/NSF 61, ANNEX G

6.2. BELOWGROUND DOMESTIC WATER PIPING: (INSTALLED IN CONCRETE OR UNDER CONCRETE) TYPE "K" SOFT DRAWN COPPER TUBING, CONFORMING TO ASTM B 88, SPIRALLY WRAP PIPING BELOW GRADE OR FLOORS WITH 3 LAYERS OF 20 MIL POLYETHYLENE TAPE WITH 1/2 OVERLAP. INSTALL NO PIPING JOINTS BELOW FLOOR. FITTINGS: ASME B16.26 CAST BRONZE. JOINTS: FLARED.

6.3. WASTE WATER PIPING, BURIED (WITHIN 5' OF BUILDING) CAST IRON: NO-HUB CAST IRON, CISPI 301-72T SPECIFICATION FOR ALL SOIL, WASTE AND VENT PIPING WITH STANDARD WEIGHT FITTINGS. JOINTS: ASTM C564, NEOPRENE GASKET SYSTEM.

6.4. WASTE WATER PIPING, ABOVE GRADE: CAST IRON SERVICE WEIGHT, ASTM A74 W/ CAST IRON FITTINGS. JOINTS: ASTM C564, NEOPRENE GASKET SYSTEM OR CAST IRON: NO-HUB CAST IRON, CISPI 301-72T SPECIFICATION FOR ALL SOIL, WASTE AND VENT PIPING WITH STANDARD WEIGHT FITTINGS. JOINTS: NEOPRENE GASKET SYSTEM.

6.5. FUEL GAS PIPING, ABOVEGROUND, 2" AND SMALLER: ASTM A53 CARBON STEEL, SCHEDULE 40 W/ CLASS 150 CARBON STEEL THREADED FITTINGS. PROVIDE (1) SUPPORT EVERY 6'.

6.6. FUEL GAS PIPING, ABOVEGROUND 2 1/2" AND LARGER, ASTM A53 CARBON STEEL, SCHEDULE 40 W/ WROUGHT STEEL BUTTWELDING FITTINGS. PROVIDE (1) SUPPORT EVERY 8'.

6.7. FUEL GAS PIPING UNDERGROUND (NOT UNDER BUILDING): DR 11 HDPE, PE4710 W/ ANODELESS RISERS.

7. FITTINGS

7.1. DOMESTIC COLD WATER & HEATING WATER: ASME B16.18, CAST BRONZE OR ASME B16.22, WROUGHT COPPER AND BRONZE, ASTM B32, SOLDER, GRADE 95TA. FITTINGS SHALL BE THIRD PARTY-CERTIFIED AS LEAD-FREE TO ANNEX G OF NSF/ANSI 61.

7.2. STORMWATER, SANITARY WASTE AND VENT FITTINGS (ABOVEGROUND) SHALL BE NO-HUB CAST-IRON WITH RUBBER COUPLING AND STAINLESS STEEL BANDS, OR SCH. 40 PVC SOLVENT WELD.

7.3. STORM, SANITARY WASTE AND VENT FITTINGS (BELOW GROUND) SHALL BE HUB & SPIGOT CAST IRON WITH RUBBER GASKET, OR SCH. 40 PVC SOLVENT WELD.

8. VALVES

8.1. VALVES SHALL BE INSTALLED WHERE INDICATED ON DRAWINGS AND WHERE NECESSARY FOR PROPER AND SAFE OPERATION AND MAINTENANCE.

8.2. VALVES FOR WATER PIPING SHALL BE SUITABLE FOR THE MAXIMUM SERVICE PRESSURE AND TEMPERATURE THAT COULD EXIST.

8.3. BALL VALVES ARE ACCEPTABLE FOR USE AS SHUT-OFF VALVES.

8.4. SHUT-OFFS SHALL BE LOOSE KEY, LOCK SHIELD TYPE. ALL FIXTURE STOPS SHALL BE ANGLE OR STRAIGHT TYPE ADAPTED FOR EACH PARTICULAR LOCATION, AND SHALL BE LOCATED IMMEDIATELY ADJACENT TO THE FIXTURE. USE THREADED ADAPTORS WHEN USED IN CONJUNCTION WITH COPPER TUBE WORK.

J. PLUMBING FIXTURES

1. PROVIDE PLUMBING FIXTURES AS INDICATED ON THE PLUMBING FIXTURE SCHEDULE. ALL PLUMBING FIXTURES SHALL BE COMPLETE AND READY FOR USE. STAINLESS STEEL SINKS SHALL BE SATIN FINISHED.

2. PROVIDE STOPS, TRAPS, ESCUTCHEONS, CONNECTIONS, ETC. FOR ALL FIXTURES AS NECESSARY TO COMPLETE THE INSTALLATION OF EACH FIXTURE, WHETHER SUCH ITEMS ARE LISTED OR NOT.

3. PLUMBING TRIM

3.1. ALL FINISHED EXPOSED FAUCETS, TRAPS, CONNECTING PIPING, STOPS, FLUSH VALVES AND OTHER FIXTURE TRIM SHALL BE CHROMIUM-PLATED BRASS UNLESS OTHERWISE SPECIFIED AND SHALL BE SUPPORTED RIGIDLY TO FIXTURES AND TO WALLS WITH MATCHING BRACKETS AT NOT MORE THAN 2'-0" CENTER. ALL FASTENINGS SHALL BE CHROMIUM-PLATED BRASS OR MAY BE 302 STAINLESS STEEL IF OF MATCHING COLOR AND FINISH.

3.2. VACUUM BREAKERS SHALL BE PROVIDED AS A PART OF THE FIXTURE TRIM WHEREVER THERE IS A POSSIBILITY OF BACK-SYPHONING.

3.3. PROVIDE FLOOR FLANGE WITH GASKET FOR FLOOR MOUNTED WATER CLOSETS.

3.4. TRAPS FOR LAVATORIES, SINKS, AND WATER COOLERS SHALL BE CHROME-PLATED 17 GAUGE BRASS AND SHALL INCLUDE 17 GAUGE TUBING DRAIN AND WALL ESCUTCHEON.

PLUMBING FIXTURE AND CONNECTION SCHEDULE

MARK	FIXTURE TYPE	DESCRIPTION	WASTE	VENT	CW SUPPLY	HW SUPPLY
WC-1	TOILET (FLOOR MTD.)	*WATER CLOSET:* TOTO #CT705EN#01 OR ZURN Z5655-BWL1 1.28 GPF *FLUSH VALVE:* TOTO TET1LAX32#CP, ZURN ZTR6200EV-LL , 1" I.P.S., 1-1/2" TOP SPUD. *FLUSH VALVE* OPERATION: SENSOR SEAT: BEMIS MODEL 2155CT	4"	2"	1"	-
WC-2	TOILET (FLOOR MTD., ADA)	*WATER CLOSET:* TOTO #CT705ELN#01, ZURN Z5655-BWL1 1.28 GPF *FLUSH VALVE:* TOTO TET1LAX32#CP, ZURN ZTR6200EV-CC-LL , 1" I.P.S., 1-1/2" TOP SPUD. *FLUSH VALVE* OPERATION: SENSOR; SEAT: BEMIS MODEL 2155CT	4"	2"	1"	-
L-1	LAVATORY (WALL HUNG, ADA)	*LAVATORY:* KOHLER K-2882-0 OR TOTO LT191G. CORIAN COUNTER BY GC., MOUNT AT APPROVED ADA HEIGHT *FAUCET:* TOTO TEL101-D10ET#CP OR ZURN Z6950-XL-S-10S-LL-TMV-1, 1.0 GPM SENSORED FAUCET. *ACCESSORIES:* TRUEBRO LAVGUARD2 MODEL #102 E-Z. JAY R. SMITH "PROSET" MODEL 0700 SINGLE SIDED OR MODEL 0700D DOUBLE SIDED FLOOR MOUNTED LAVATORY SUPPORT WITH CONCEALED ARMS AND ESCUTCHEON PLATES.	1-1/2"	1-1/2"	1/2"	1/2"
UR-1	URINAL (ADA)	*URINAL:* TOTO UT445U#01 OR ZURN Z5755U VITREOUS CHINA, COMPACT WITH CONCEALED INTEGRAL TRAP, 0.125 GPF, MEETS OR EXCEEDS ASME A112.19.2, 2 YEAR WARRANTY. *FLUSH VALVE:* TOTO TEU1LAX12#CP OR ZURN ZTR6203-ULF-LL FLUSH VALVE, 3/4" I.P.S. 1" TOP SPUD	3"	2"	3/4"	-
WCO	WALL CLEANOUT	J.R. SMITH MODEL 442, LINE TYPE WITH LACQUERED CAST IRON BODY AND ROUND EPOXY-COATED GASKETED COVER AND ROUND STAINLESS STEEL ACCESS COVER SECURED WITH MACHINE SCREW.	VARIES	-	-	-
WHA	WATER HAMMER ARRESTOR	JR SMITH HYDROTOL MODEL (5005 TO 5050), SIZED IN ACCORDANCE W/ PDI STANDARD WH201, PROVIDE ACCESS PANEL.	VARIES	-	-	-
FS-1	FLOOR SINK	SIOUX CHIEF 861 SERIES PVC SQUARE FLOOR SINK, IMPACT-MODIFIED PVC WITH SCHEDULE 40 HUB CONNECTION CONFORMING TO ASTM D2665. HEELPROOF, DESIGNED WITH CONCRETE ANCHOR FLANGE, DUCTILE IRON COVER, 7500 LBS LOAD RATING. VERIFY MODEL WITH MCDONALDS.	1 1/2"	2"	-	-
FD-1	FLOOR DRAIN	FLOOR DRAIN: 5" TOP SIZE, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, WITH POLISHED BRONZE TOP AND LIGHT DUTY STRAINER. OR EQUAL THAT IS APPROVED BY OWNER.	4"	2"	-	-

1

GENERAL NOTES:

1. SOIL AND WASTE PIPE SHALL SLOPE 1/8" PER FOOT MINIMUM, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
2. VERIFY THE LOCATION OF THE SANITARY SEWER ON THE PLANS AND REVISE THE SEWER SYSTEM AS REQUIRED.
3. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND THE OWNER'S REPRESENTATIVE PRIOR TO ANY INSTALLATION.
4. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILING SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
5. ALL PLUMBING FIXTURE VENTS SHALL TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND AT LEAST 10 FEET FROM ANY OUTSIDE AIR INTAKE.
6. INSTALL SHUT-OFF VALVES ON ALL HOT & COLD WATER LINES TO FIXTURE OR APPLIANCE. ALL EXPOSED WATER AND WASTE LINES TO BE CHROME PLATED.
7. ALL VALVES, UNIONS, ETC. SHALL BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
8. ALL FLOOR SINKS AND FLOOR DRAINS IN TRAFFIC AREAS SHALL BE INSTALLED FLUSH WITH FLOOR SURFACE.
9. PROVIDE WATER HAMMER ARRESTOR FOR ALL HAND SINKS AND URINAL WATER LINES.
10. PRIOR TO COMMENCING WORK ON THIS PROJECT, VERIFY DEPTH, SIZE, LOCATION AND CONDITION OF ALL EXISTING UTILITIES IN FIELD. SHOULD CONDITIONS EXIST OTHER THAN THOSE INDICATED WHICH WOULD CAUSE THE DESIGN TO BE ALTERED, CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY.
11. COORDINATE INSTALLATION OF PLUMBING WORK WITH ALL OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES. CONTRACTOR SHALL REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.
12. ALL WATER LINES SHALL BE RUN OVERHEAD UNLESS OTHERWISE NOTED.
13. ALL WATER LINES SHALL BE FLUSHED PRIOR TO CONNECTING ANY FIXTURES OR EQUIPMENT.

PROJECT DESCRIPTION

1. REPLACE AND RELOCATE PLUMBING FIXTURES AS INDICATED ON THE PLANS.
2. RE-WORK WASTE, VENT, AND DOMESTIC WATER PIPING AS REQUIRED.

PREPARED BY:
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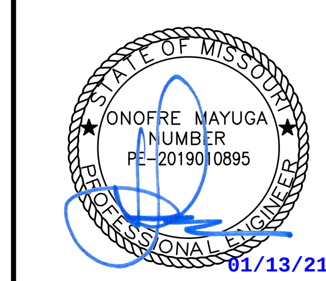

DATE:

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LICENSE NO:

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CONSULTANT:

SUBMITTAL

NO.	DESCRIPTION	DATE	BY
0	FOR PERMIT	6/11/20	JEC
1	SAO INCORPORATED	01/11/20	OWJ

DRAWN BY
REVIEWED BY
STD ISSUE DATE
DATE ISSUED 2019
SITE ID NO. 3172

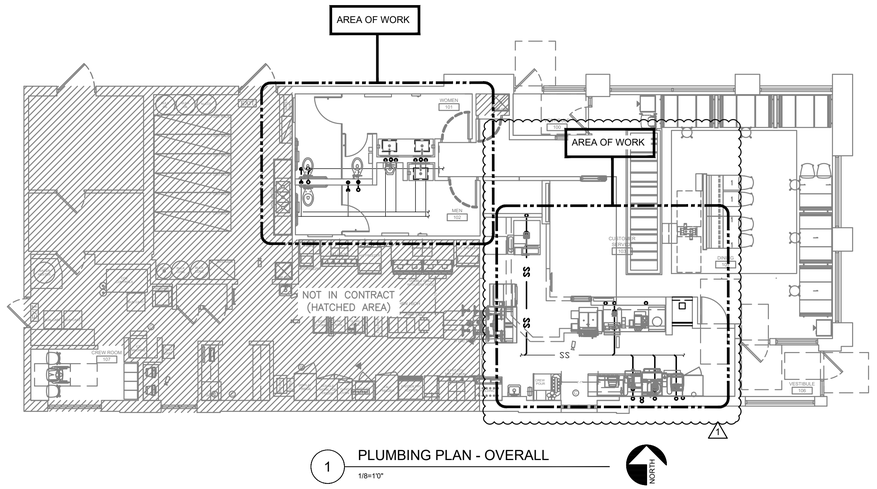
PROJECT TITLE
MCDONALD'S RESTAURANT
KC-103 ST: 2020 MOD C

SHEET TITLE
PLUMBING SPECIFICATIONS
SYMBOLS, & GENERAL NOTES

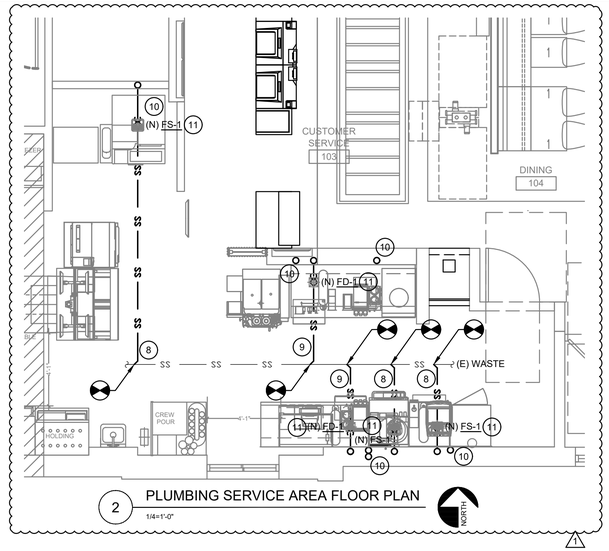
SITE ADDRESS
1300 WEST 103rd STREET
KANSAS CITY, MO 64114

PROJECT NO. 4118000362

SHEET NO.
P0.0



1 PLUMBING PLAN - OVERALL
1/8"=1'0"



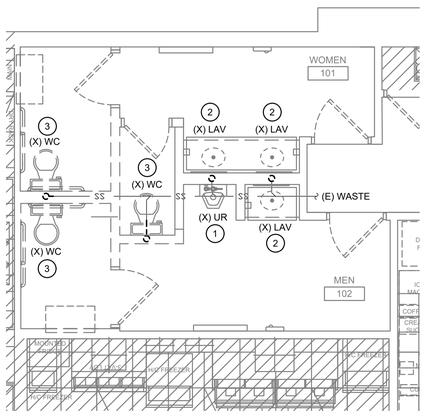
2 PLUMBING SERVICE AREA FLOOR PLAN
1/4"=1'-0"

GENERAL NOTES

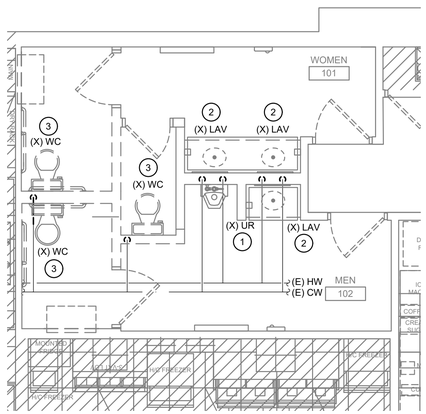
1. EXACT LOCATION OF PLUMBING FIXTURES SHALL BE DETERMINED FROM ARCH. DRAWINGS.
2. BEFORE SUBMITTING BID, THE PLUMBING CONTRACTOR SHALL REVIEW THE ARCH. DRAWINGS AND INCLUDE IN THE BID AN AMOUNT TO FURNISH AND INSTALL ANY FIXTURES WITH ARE SHOWN IN ADDITION TO FIXTURES SHOWN ON THE PLUMBING DRAWINGS.
3. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF SEWERS TO WHICH NEW WASTE LINES ARE TO BE CONNECTED BEFORE MAKING UP OR INSTALLATION OF NEW WASTE SYSTEM.
4. THE INSTALLATION OF ALL VALVES, UNIONS, THERMOMETERS, GAUGES, OR OTHER INDICATING OR RECORDING EQUIPMENT, OR SPECIALTIES REQUIRING FREQUENT READING, REPAIRS ADJUSTMENT, INSPECTION, REMOVAL OR REPLACEMENT SHALL BE CONVENIENTLY AND ACCESSIBLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING.
5. ALL VENTS THROUGH ROOF SHALL BE 10'-0" FROM ALL AIR INTAKES.
6. WHERE POSSIBLE, TIE VENTS TOGETHER SO THAT A MINIMUM NUMBER TERMINATE THROUGH THE ROOF.
7. CONTRACTOR SHALL NOT CUT HOLES IN STRUCTURAL MEMBERS WITH OUR PRIOR AUTHORIZATION FORM THE ARCHITECT.
8. CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
9. CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURERS SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED.

KEYED NOTES (#)

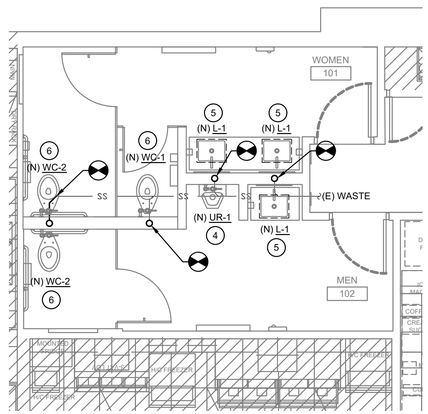
1. REMOVE EXISTING URINAL AND ALL ASSOCIATED SUPPORTS.
2. REMOVE EXISTING LAVATORY AND ALL SUPPORTS. REMOVE WASTE, VENT, AND HOT/COLD WATER PIPE TO AREA INDICATED ON PLAN.
3. REMOVE EXISTING WATER CLOSET AND ASSOCIATED SUPPORTS. REMOVE WASTE, VENT, AND COLD WATER PIPE TO AREA INDICATED ON PLAN.
4. CONNECT NEW URINAL TO EXISTING WASTE, VENT AND COLD WATER SUPPLY. EXTEND EXISTING PIPING AS REQUIRED. VERIFY EXACT LOCATION WITH ARCHITECTURAL PLANS.
5. CONNECT NEW LAVATORY TO EXISTING WASTE AND DOMESTIC HOT/COLD WATER SUPPLY. EXTEND EXISTING PIPING AS REQUIRED. VERIFY EXACT LOCATION WITH ARCHITECTURAL PLANS.
6. CONNECT NEW WATER CLOSET TO EXISTING WASTE, VENT AND COLD WATER SUPPLY. EXTEND EXISTING PIPING AS REQUIRED. VERIFY EXACT LOCATION WITH ARCHITECTURAL PLANS.
7. VERIFY AND MATCH EXISTING PIPE SIZE AND TYPE IN FIELD.
8. NEW INDIRECT DRAIN TO NEW FLOOR SINK FS-1.
9. NEW INDIRECT DRAIN TO NEW FLOOR DRAIN FD-1.
10. FOR TREATED AND FILTERED WATER CONNECTIONS, REFER TO KES DRAWINGS, INSTALLED BY SEPARATE VENDOR.
11. VERIFY LOCATION OF NEW FIXTURE WITH ARCHITECTURAL DRAWINGS.



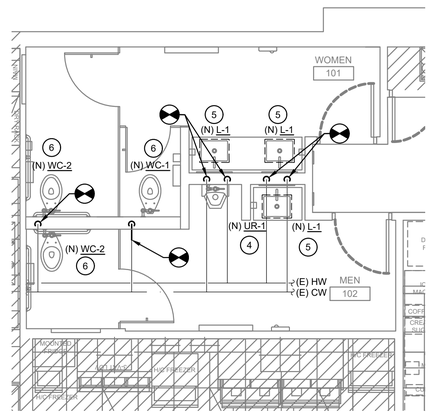
3 DEMO WASTE PIPING FLOOR PLAN
1/4"=1'-0"



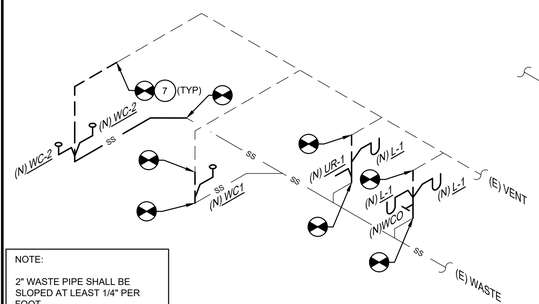
4 DEMO WATER PIPING FLOOR PLAN
1/4"=1'-0"



5 WASTE PIPING FLOOR PLAN
1/4"=1'-0"



6 WATER PIPING FLOOR PLAN
1/4"=1'-0"



7 WASTE PIPING SCHEMATIC
NTS

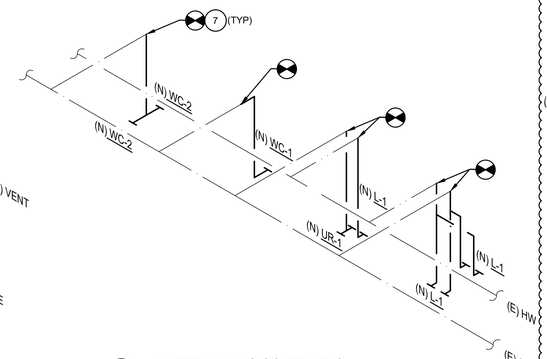
NOTE:

2" WASTE PIPE SHALL BE SLOPED AT LEAST 1/4" PER FOOT.

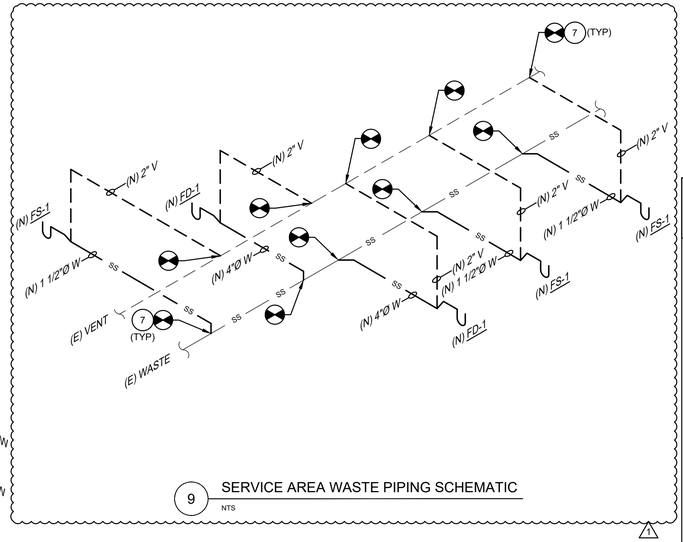
4" WASTE PIPE SHALL BE SLOPED AT LEAST 1/8" PER FOOT.

VERIFY LOCATION OF EXISTING VENT PIPING.

ROUTE NEW VENT & WASTE PIPING TO EXISTING.

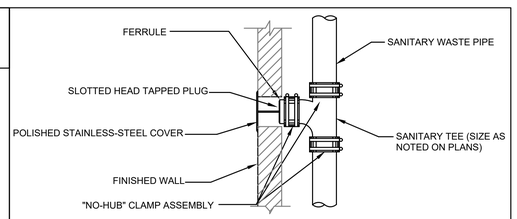


8 WATER PIPING SCHEMATIC
NTS



9 SERVICE AREA WASTE PIPING SCHEMATIC
NTS

1 WALL CLEANOUT DETAIL



CLEANOUT SIZING

SIZE OF PIPE (INCHES)	SIZE OF CLEANOUT (INCHES)	THREADS PER INCH
1-1/2	1-1/2	11-1/2
2	2	11-1/2
3	3	8
4 AND 6	4	8

NOTE: NOT TO SCALE

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SIGNED BY:

ONOFRE MAYUGA
NUMBER
PE-2019010695
PROFESSIONAL ENGINEER
STATE OF MISSOURI

DATE: 01/13/21

NAME:

LICENSE NO:

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KC-103 ST: 2020 MOD C

SHEET TITLE: PLUMBING FLOOR PLANS, DETAILS, & PIPING SCHEMATICS

JOB ADDRESS: 1300 WEST 103rd STREET
KANSAS CITY, MO 64114

PROJECT NO.: 4118000362

P1.0

SHEET NO.

ELECTRICAL SPECIFICATIONS AND GENERAL NOTES:

1. THE ELECTRICAL CONTRACTOR (E.C.) SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM/INSTALLATION.
2. MATERIALS AND INSTALLATION SHALL COMPLY WITH ALL CODES, LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL GOVERNING BODIES HAVING JURISDICTION.
3. ALL MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., ETL, CSA, OR ANOTHER RECOGNIZED TESTING LABORATORY.
4. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES, TAXES AND LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK.
5. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO GOVERNMENTAL AGENCIES, UTILITY COMPANIES, AND LOCAL CODE OFFICIALS, SHOP DRAWINGS AND/OR INSTALLATION DETAILS WHICH ARE REQUIRED BY THESE AGENCIES FOR THEIR APPROVAL.
6. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, ENGINEER, AND PROJECT MANAGER IN WRITING OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES, OR REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION.
7. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE FIRE PREVENTION BUREAU ALL DOCUMENTS, INCLUDING DRAWINGS AND SUBMITTALS, REQUIRED TO OBTAIN APPROVAL OF THE EMERGENCY LIGHTING, LIFE SAFETY, AND EXIT SIGN SYSTEM(S) FOR TYPES AND LOCATIONS. A COPY OF THE APPROVED DRAWINGS SHALL BE PROVIDED TO THE ARCHITECT AND ENGINEER PRIOR TO THE START OF CONSTRUCTION.
8. ALL NEW ELECTRICAL WORK OR MODIFICATIONS TO EXISTING ELECTRICAL DISTRIBUTION PANELS, PANELBOARDS, METERS, ETC. SHALL BE INSTALLED AS INDICATED ON THE ELECTRICAL CONSTRUCTION DOCUMENTS. E.C. SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT TO BE INSTALLED INDICATING FLOOR PLAN LAYOUT, ELEVATIONS, AND ALL DIMENSIONS FOR APPROVAL OF THE ENGINEER PRIOR TO INSTALLATION. CODE REQUIRED CLEARANCES IN FRONT OF ALL ELECTRICAL EQUIPMENT SHALL BE MAINTAINED AT ALL TIMES.
9. THE CONTRACTOR SHALL INCLUDE IN BID AN ALLOWANCE FOR THE FOLLOWING ADDITIONAL LIFE SAFETY DEVICES, INCLUDING INSTALLATION AND ALL CONDUIT AND WIRE, FOR ADDITIONAL DEVICES AS MAY BE REQUIRED BY THE REVIEW OF THE AUTHORITY HAVING JURISDICTION.
   - (2) EXIT SIGN FIXTURES
   - (2) EMERGENCY LIGHTING FIXTURES

   CONTRACTOR SHALL PROVIDE A UNIT PRICE FOR EACH FOR QUANTITY ADJUSTMENT.
10. THE CONTRACTOR SHALL INCLUDE IN BID ELECTRICAL UNIT PRICES (EUP) TO PROVIDE ADDITIONAL LIFE SAFETY DEVICES WITHIN FINISHED CEILING SYSTEMS, INCLUDING ALL CONDUIT AND WIRE, FOR EACH TYPE OF DEVICE AS SCHEDULED IN NOTE NUMBER 9. THE UNIT PRICE SHALL INCLUDE ALL GENERAL CONTRACTOR ASSOCIATED COSTS TO INSTALL DEVICES WITHIN INSTALLED CEILING SYSTEMS.
11. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, MAKE A SCHEDULED ARRANGEMENT WITH THE PROJECT MANAGER TO VISIT THE SITE, AND THOROUGHLY BECOME FAMILIAR WITH THE BUILDING STANDARDS AND LOCAL CONDITIONS RELATING TO THE WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT.
12. THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND WIRING FOR THE PERFORMANCE OF ALL TRADES, FOR THE ENTIRE PERIOD OF CONSTRUCTION AND SHALL REMOVE ALL TEMPORARY WIRING AT THE COMPLETION OF CONSTRUCTION. ALL COSTS FOR ESTABLISHING AND REMOVING TEMPORARY POWER SHALL BE INCLUDED IN BID.
13. THE EXISTING POWER, SIGNAL, AND COMMUNICATIONS SYSTEMS ARE TO REMAIN IN SERVICE TO PROVIDE FOR THE OWNER'S EXISTING FUNCTIONS. SHOULD IT BECOME NECESSARY TO SHUT-DOWN ANY SYSTEM OR PORTION OF A SYSTEM, APPROVAL IN WRITING MUST BE OBTAINED FROM THE PROJECT MANAGER AND SHALL BE ONLY FOR THE PERIOD AND TIME AGREED UPON. THE BID IS TO INCLUDE THE COST OF ANY TEMPORARY WIRING AND PREMIUM TIME REQUIRED FOR THE SHUTDOWN.
14. ALL MATERIALS AND EQUIPMENT SHALL BE ERECTED, INSTALLED, TOOLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS.
15. ALL CUTTING, DRILLING, AND PATCHING OF MASONRY, DRYWALL, CONCRETE, STEEL, OR IRON WORK BELONGING TO THE BUILDING SHALL BE DONE BY THIS CONTRACTOR IN ORDER THAT WORK MAY BE PROPERLY INSTALLED. UNDER NO CONDITIONS MAY STRUCTURAL WORK BE CUT, EXCEPT AT THE DIRECTION OF THE ARCHITECT/ENGINEER OR THEIR REPRESENTATIVE.
16. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S NAMES, CATALOG NUMBERS, CUTS, DIAGRAMS, AND OTHER SUCH DESCRIPTIVE DATA AS MAY BE REQUIRED TO IDENTIFY AND REVIEW THE EQUIPMENT. SUBMITTALS SHALL BE IN LOGICAL GROUPS (FOR EXAMPLE ALL LIGHTING FIXTURES). PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
17. SUBMIT FOUR (4) COPIES OF THE FOLLOWING SHOP DRAWINGS FOR REVIEW:
    - A. LIGHTING FIXTURES AND LAMPS
    - B. WIRING DEVICES
    - C. LOW VOLTAGE RELAYS AND SWITCHES
    - E. DIMMERS AND CONTROLS
18. CONTRACTOR SHALL PROVIDE "AS-BUILT" DOCUMENTATION AND HARD COPY REPRODUCIBLE DRAWINGS AT THE COMPLETION OF THE PROJECT AND SUBMIT TO THE ARCHITECT AND THE ENGINEER. AS-BUILT DRAWINGS SHALL INDICATE EXACT CIRCUIT NUMBERS, LOCATIONS OF ALL DEVICES, CEILING FIXTURES, AND RACEWAY FOR LIGHTING, TELECOMMUNICATIONS AND POWER DISTRIBUTION SYSTEMS AS INSTALLED.
19. ALL MATERIAL, EQUIPMENT, WIRING DEVICES, ETC. SHALL BE NEW AND OF COMMERCIAL GRADE UNLESS SPECIFICALLY INDICATED AS EXISTING TO BE REUSED ON DRAWINGS.
20. EXCEPT AS NOTED OTHERWISE, ALL WORK REQUIRED FOR THE ELECTRICAL INSTALLATION AS SHOWN ON DRAWINGS SHALL INCLUDE ALL LABOR, INSTALLATION METHODS, EQUIPMENT, AND MATERIALS AND SHALL BE IN STRICT COMPLIANCE WITH ALL BUILDING STANDARDS.
21. PROVIDE A COMPLETE METAL RACEWAY SYSTEM, FITTINGS AND ENCLOSURES FOR ALL ELECTRICAL WIRING SYSTEMS TO BE INSTALLED FOR THE PROJECT. SYSTEMS SHALL INCLUDE, BUT NOT BE LIMITED TO POWER, COMMUNICATIONS, SECURITY, PAGING, TEMPERATURE CONTROL AND CONTROLS.
22. NOT USED.
23. MINIMUM CONDUIT SIZE SHALL BE 1/2 INCH FOR GENERAL LIGHTING AND POWER CIRCUITRY UNLESS OTHERWISE INDICATED AND/OR REQUIRED BY CODE.
24. FLEXIBLE CONDUIT CONNECTIONS TO RECESSED LIGHTING FIXTURES SHALL BE MADE WITH FLEXIBLE STEEL CONDUIT, 1/2 INCH MINIMUM, INCLUDING AN INSULATED COPPER GREEN EQUIPMENT GROUNDING CONDUCTOR OR SHALL BE MADE WITH METAL CLAD TYPE CABLE.
25. NOT USED.
26. WIRE NUMBER 8 AND SMALLER FOR USE IN INTERIOR DRY LOCATIONS SHALL BE TYPE THWN THERMOPLASTIC 600 VOLT INSULATED COPPER CONDUCTORS. FEEDERS AND POWER WIRING NUMBER 6 AND LARGER SHALL BE TYPE THW 600 VOLT INSULATED COPPER. WIRE WHICH IS INSTALLED IN RACEWAY IN MOIST OR DAMP LOCATIONS SHALL BE THW, 600 VOLT INSULATED COPPER CONDUCTORS. NO WIRE SMALLER THAN NUMBER 12 AWG SHALL BE USED FOR LIGHTING OR POWER
27. BRANCH CIRCUIT HOMERUN WIRING:
    - A. GENERAL PURPOSE BRANCH CIRCUIT HOMERUNS CONSISTING OF TWO NETWORKS SHALL HAVE PHASE, NEUTRAL AND GROUND CONDUCTORS INCREASED TO NUMBER 10 AWG, THWN AS A MINIMUM. WHERE HOMERUN (ONE OR MORE NETWORKS) EXCEEDS 100 LINEAR FEET, CONDUCTOR SIZE SHALL BE INCREASED ONE TRADE SIZE.
    - B. ALL BRANCH CIRCUITS, FEEDERS, AND HOMERUNS SHALL BE PROVIDED WITH AN INSULATED COPPER GREEN GROUNDING CONDUCTOR ROUTED IN THE SAME CONDUIT. GROUNDING CONDUCTOR SHALL BE SIZED PER THE REQUIREMENTS OF NEC SECTION 250.
    - C. HOMERUN LENGTH SHALL BEGIN AT THE CENTRAL POINT OF ALL DISTRIBUTED CIRCUITS TO THE PANELBOARD CIRCUIT BREAKER.
28. ALL NEW CIRCUIT BREAKERS FOR EXISTING PANELBOARDS AND DISTRIBUTION PANELBOARDS SHALL MATCH EXISTING BUILDING PANELBOARD MANUFACTURER AND CIRCUIT BREAKER TYPE. ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE. AIC RATING OF NEW CIRCUIT BREAKER SHALL MATCH AIC RATING OF PANELBOARD IN WHICH IT IS INSTALLED. WHERE SERIES RATED TYPE CIRCUIT BREAKERS ARE USED, NEW CIRCUIT BREAKERS SHALL BE INSTALLED SO AS TO MAINTAIN THE UL SERIES RATING OF THE ENTIRE SYSTEM. THE CONTRACTOR SHALL PROVIDE A NEW TYPEWRITTEN PANEL DIRECTORY FOR EACH PANEL CHANGED AT THE COMPLETION OF THE PROJECT. EACH CIRCUIT BREAKER SHALL BE LABELED TO IDENTIFY LOAD TYPE AND LOCATION.
29. THE CONTRACTOR SHALL VERIFY THE CEILING CONSTRUCTION TYPE WITH ARCHITECTURAL DETAILS BEFORE ORDERING LIGHTING FIXTURES IN ORDER TO CONFIRM PROPER MOUNTING.
30. EACH SWITCH, LIGHT, RECEPTACLE, OR OTHER MISCELLANEOUS DEVICE SHALL BE PROVIDED WITH A GALVANIZED OR SHERARDIZED PRESSED STEEL OUTLET BOX OF THE KNOCKOUT TYPE, OF NOT LESS THAN NUMBER 14 U.S. GAUGE STEEL. CONDUITS SHALL BE FASTENED WITH LOCKNUTS AND BUSHINGS AND ALL UNUSED KNOCKOUTS SHALL BE LEFT SEALED. THERE SHALL BE SUFFICIENT ROOM FOR WIRES AND BUSHINGS AND DEEP BOXES SHALL BE INSTALLED WHERE REQUIRED. BOXES SHALL BE SECURELY AND ADEQUATELY SUPPORTED.
31. NOT USED
32. IN SUSPENDED CEILINGS, SUPPORT CONDUITS AND JUNCTION BOXES DIRECTLY FROM THE STRUCTURAL SYSTEM, DECK OR FRAMING PROVIDED FOR THAT PURPOSE. LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE CLIPPED TO THE CEILING SUPPORT WIRES OR SPLINE UNLESS THE CEILING SYSTEM HAS BEEN SPECIFICALLY DESIGNED FOR THAT PURPOSE AND APPROVAL HAS BEEN GRANTED BY THE ARCHITECT AND THE ENGINEER.
33. E.C. SHALL PROVIDE "3M" FIRESEAL SYSTEMS FOR ALL CORES AND RACEWAY PENETRATIONS IN FIRE RATED WALLS AND PARTITIONS. FIRE RATE WALL AND CEILING PENETRATIONS, ETC. USING "CP-25" CAULK, "303" PUTTY AND/OR "FLAMESEAL" PUTTY AS PER MANUFACTURER'S INSTRUCTIONS TO MAINTAIN EXISTING AND NEW FIRE RATINGS. VERIFY FIRE RATING CONDITIONS AND LOCATIONS PRIOR TO FINAL BIDS. ALL OPEN SLEEVE PENETRATIONS SHALL BE FIRESEALED INSIDE AND OUTSIDE BY E.C. AFTER ALL CABLING IS COMPLETELY INSTALLED. SEALING METHODS SHALL BE PROVIDED BY E.C. AND SHALL BE SUBJECT TO THE APPROVAL OF THE CABLING CONTRACTOR.
34. NOT USED.
35. NOT USED.
36. NUMBERED CIRCUITS SHOWN ON PLAN ARE FOR THE CONVEYANCE OF DESIGN INTENT ONLY. ACTUAL FIELD CONDITIONS WILL AFFECT CIRCUITRY. INDICATE THE ACTUAL CIRCUIT NUMBERS INSTALLED ON THE "AS-BUILT" DRAWINGS.
37. BUILDING STANDARDS
    - A. ALL NEW CONDUIT RACEWAYS AND BOXES FOR ALL SYSTEMS SHALL BE INSTALLED TIGHT-UP TO THE BOTTOM OF THE STRUCTURAL BEAMS WHERE REQUIRED AND PROPERLY SUPPORTED FROM STRUCTURAL MEMBERS.
    - B. ALL NEW CONDUIT RUNS SHALL BE INSTALLED ABOVE AND OVER THE TOP OF ALL NEW AND/OR EXISTING DUCTWORK, PIPING, CONDUITS, PULLBOXES, ETC. E.C. SHALL PROVIDE ALL NECESSARY ACCESSIBLE PULLBOXES. CONDUIT BENDS SHALL NOT EXCEED CODE REQUIREMENTS WITHIN A SINGLE RUN. E.C. SHALL PROVIDE ALL PULLBOXES AS REQUIRED.
    - C. NEW CONDUIT RUNS OR PULLBOXES SHALL NOT BE INSTALLED LESS THAN 2 INCHES ABOVE RECESSED LIGHTING FIXTURES UNLESS APPROVED BY THE ENGINEER.
    - D. NEW CONDUIT RUNS OR PULLBOXES SHALL NOT BLOCK OR PREVENT FULL AND COMPLETE ACCESS AND OPERATION OF NEW OR EXISTING HVAC EQUIPMENT, ACCESS DOORS, PIPING VALVES, JUNCTION BOXES, DUCT HEATERS, MAIN SUPPLY AND RETURN AIR DUCTS, PULLBOXES, CLEANOUTS, ETC.
    - E. NEW CONDUIT AND PULLBOXES TO BE INSTALLED BELOW NEW OR EXISTING DUCTWORK SHALL BE MOUNTED TIGHT UP TO BOTTOM OF DUCT WITH 90 DEGREE BENDS UP SIDEWALL OF DUCT TO MEET REQUIREMENTS OF LETTER C ABOVE. SUPPORTS SHALL NOT PENETRATE DUCTWORK, AND SHALL BE INDEPENDENT OF ALL DUCTWORK SUPPORTS. DIRECT CONTACT OF CONDUIT RACEWAY SYSTEMS WITH DUCTWORK OR PIPING SHALL BE PROVIDED WITH VIBRATION SEPARATION METHOD APPROVED BY THE ENGINEER.
    - F. NEW CONDUIT AND BOXES TO BE INSTALLED WITHIN ALL EXISTING FINISHED BUILDING DRYWALL, FURRED BUILDING WALLS, PARTITIONS, AND COLUMNS SHALL BE INSTALLED WITH EMT AND FLEXIBLE RACEWAYS NOT MORE THAN 6'-0" LONG. ELECTRICAL CONTRACTOR SHALL INCLUDE ALL COSTS FOR DRYWALL ACCESS, CUTTING, PATCHING, PAINTING, ETC. IN BIDS FOR SUCH CONDITIONS. FIELD VERIFY ALL LOCATIONS ON SITE PRIOR TO FINAL BIDS. EXCEPTIONS DURING BIDS SHALL BE SUBMITTED IN WRITING.
    - G. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE HELD RESPONSIBLE TO HAVE EXAMINED THE CONSTRUCTION SITE WITH RESPECT TO CONSTRUCTION DRAWINGS, ACTUAL FIELD CONDITIONS, DOOR FRAME HEIGHTS, PIPING OBSTRUCTIONS, DUCTWORK HEIGHTS AND LEVELS, FLOOR LEVELS, CEILING HEIGHTS, ETC. PRIOR TO FINAL BIDS.
    - H. ALL NEW BUILDING STANDARD EQUIPMENT, DEVICES, AND MATERIALS SHALL BE EQUAL TO OR GREATER IN QUALITY TO EXISTING APPROVED BUILDING STANDARD MATERIALS PRESENTLY INSTALLED IN BUILDING. EQUIPMENT, DEVICES, AND MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, PROJECT MANAGER, AND THE ENGINEER.
    - I. ALL EMERGENCY AND EXIT SIGN JUNCTION BOXES SHALL BE PAINTED RED. PANEL TAG AND CIRCUIT NUMBER FOR ALL WIRING WITHIN JUNCTION BOX SHALL BE INDICATED ON COVER.
    - J. ALL JUNCTION BOXES SERVING LIGHTING AND POWER SHALL HAVE CIRCUIT NUMBERS AND PANEL TAGS FOR ALL WIRING WITHIN JUNCTION BOX INDICATED ON COVERS.
38. A NEW PANELBOARD COPPER GROUND BUS SHALL BE INSTALL FOR EQUIPMENT GROUNDING REQUIREMENTS FOR ALL PANELBOARDS LACKING A GROUND BUS.
39. PERFORM ALL WORK OF A DEMOLITION NATURE THAT MAY BE REQUIRED OR NECESSARY FOR THE FULL AND COMPLETE EXECUTION OF THE WORK, WHETHER EXPLICITLY SHOWN AND/OR SPECIFIED OR NOT. EXACT EXTENT OF DEMOLITION WILL NOT BE FULLY INDICATED BY DRAWINGS. DETERMINE THE NATURE AND EXTENT OF DEMOLITION THAT WILL BE NECESSARY BY COMPARING THE CONTRACT DOCUMENTS WITH ARCHITECTURAL AND DEMOLITION DRAWINGS TO EXISTING CONDITIONS. ELECTRICAL EQUIPMENT WHICH WILL NOT BE REUSED SHALL BE TURNED OVER TO THE OWNER OR REMOVED FROM THE PREMISES AS DETERMINED BY THE PROJECT MANAGER.
40. ANY EXISTING ELECTRICAL MATERIAL AND EQUIPMENT WHICH INTERFERES WITH THE NEW ADDITION OR THE REMOVAL OF EXISTING WALLS SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR. VERIFY REMOVAL AND NEW LOCATION OF EQUIPMENT WITH THE PROJECT MANAGER AND THE ARCHITECT/ENGINEER PRIOR TO WORK.
41. VERIFY CLEARANCES FOR ALL NEW OR EXISTING RELOCATED ELECTRICAL WORK BEFORE PROCEEDING WITH CONSTRUCTION. COORDINATE USAGE OF AVAILABLE SPACE WITH ALL TRADES. IN THE EVENT OF CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH THE WORK.
42. WHERE EXISTING CONDUIT IS SHOWN ON THE DRAWINGS, IT IS SHOWN DIAGRAMMATICALLY. THE EXACT ROUTING OF THE EXISTING CONDUIT SHALL BE DETERMINED ON THE JOB SITE BY THE CONTRACTOR.
43. NOT USED.
44. ALL HANGER AND/OR ROD SUPPORT SYSTEMS SHALL BE SUPPORTED TO THE BOTTOM RIB OF THE METAL DECK, WHERE APPLICABLE.
45. PROVIDE A WRITTEN GUARANTEE THAT THE ELECTRICAL INSTALLATION IS FREE FROM MECHANICAL AND ELECTRICAL DEFECTS. CONTRACTOR AT THEIR COST SHALL REPLACE AND/OR REPAIR, TO THE SATISFACTION OF THE OWNER AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, ANY PARTS OF THE INSTALLATION WHICH MAY FAIL WITHIN A PERIOD OF 12 MONTHS FROM CONSTRUCTION ACCEPTANCE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, PROVIDED THAT SUCH FAILURE IS DUE TO DEFECTS IN MATERIAL, WORKMANSHIP, OR FAILURE TO FOLLOW THE SPECIFICATIONS, MANUFACTURER'S INSTALLATION INSTRUCTIONS AND/OR DRAWINGS.
46. CONTRACTOR SHALL PROVIDE ALL NECESSARY PROPERLY SIZED WALL OR MILLWORK MOUNTED BOXES, RINGS, SUPPORTS, AND DEVICES AS REQUIRED VIA COORDINATION WITH ARCHITECTURAL WALL SECTIONS, AND MILLWORK DETAILS.
47. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE DRAWINGS. WHERE MORE STRINGENT REQUIREMENTS THAN THOSE DESCRIBED HEREIN OR AS SET FORTH UNDER CODES, LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL GOVERNING BODIES HAVING JURISDICTION, THOSE GREATER REQUIREMENTS SHALL BE ADHERED TO.
48. ALL NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS SHALL BE PROVIDED WITH AN INTEGRAL EMERGENCY BACKUP BALLAST TO ILLUMINATE THE FIXTURES IN THE EVENT OF A POWER FAILURE. ALL COMPONENTS SHALL BE IN COMPLIANCE WITH NFPA 101 AND NFPA 70 SECTION 700. BALLAST BATTERY SHALL MAINTAIN 87.5% OF THE NOMINAL BATTERY VOLTAGE AFTER 1.5 HOURS TO COMPLY WITH NEC SECTION 700 AND UL 924.
49. IDENTIFICATION OF ELECTRICAL ITEMS
    - A. PROVIDE PERMANENT IDENTIFICATION MARKING AND NAMEPLATES FOR ALL CONDUCTORS AND EACH ITEM OF ELECTRICAL APPARATUS AND ASSOCIATED CONTROLLED EQUIPMENT, WITH THE SAME INSCRIPTIONS AS SHOWN ON THE DRAWINGS. ALL IDENTIFICATION MARKINGS SHALL BE CLEARLY AND NEATLY APPLIED.
    - B. APPLY ENGRAVED PLASTIC LAMINATE NAMEPLATES WITH NON-CORRODING TYPE SCREW FASTENERS OR RIVETS TO ALL MOTOR STARTERS, DISCONNECT SWITCHES, RELAYS, REMOTE CONTROL PANELS, PUSH BUTTON STATIONS, PANELBOARDS, SWITCHBOARDS, TRANSFORMERS, AND OTHER ELECTRICAL APPARATUS. NAMEPLATES SHALL BE WHITE WITH BLACK CORE, 1 1/4" X 3" MINIMUM WITH 3/16" HIGH LETTERING. THE NAMEPLATE SHALL IDENTIFY:
      - NAME OF DEVICE OR
      - LOAD THE DEVICE IS SERVING
    - C. PROVIDE A TYPEWRITTEN DIRECTORY OF CIRCUITS IN LIGHTING AND POWER PANELS AND PROVIDE PANEL IDENTIFICATION IN BLACK ALKYD PAINT STENCILED INSCRIPTIONS ON THE INSIDE OF THE DOOR, DIRECTLY ABOVE THE CENTERLINE OF THE DIRECTORY FRAME, OR ON THE VERTICAL AND HORIZONTAL CENTERLINE OF DOORS WITHOUT DIRECTORY FRAMES.
    - D. PROVIDE ON DEVICE PLATES FOR LOCAL TOGGLE SWITCHES, TOGGLE SWITCH MANUAL STARTERS, PILOT LIGHTS AND OTHER ELECTRICAL ITEMS, WHOSE FUNCTION IS NOT READILY APPARENT, ENGRAVED SUITABLE INSCRIPTIONS OR PLASTIC LAMINATE NAMEPLATES DESCRIBING THE EQUIPMENT CONTROLLED OR INDICATED.
    - E. EMBOSSED SELF-ADHERING PLASTIC TAPE LABELS WILL NOT BE ACCEPTED.
50. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL EXISTING OR NEW NON-ACCESSIBLE SYSTEM DEVICES, PULLBOXES, AND EQUIPMENT, ETC. FOR RELOCATION TO ACCESSIBLE CEILING AREAS. E.C. SHALL INCLUDE ALL COMPLETE COSTS FOR RELOCATION AND VERIFY SUCH CONDITIONS WITH ARCHITECTURAL CEILING PLANS PRIOR TO FINAL BIDS.
51. EXISTING CONDITIONS OF ALL EXISTING BUILDING EQUIPMENT, DEVICES, FIXTURES, AND SYSTEMS THAT REQUIRE REWIRING, REUSE, RELOCATION, OR REFURBISHING AS PER DRAWINGS AND SPECIFICATIONS SHALL BE FIELD VERIFIED BY THE E.C. PRIOR TO COMMENCEMENT OF ANY WORK TO BE COMPLETELY OPERATIONAL. E.C. SHALL SUBMIT A WRITTEN STATEMENT AND ITEMIZED LISTING OF ALL EXISTING CONDITIONS OF THE FOLLOWING, ALTHOUGH NOT LIMITED TO THOSE LISTED:
    - A. HVAC EQUIPMENT
    - B. EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES
    - C. LIFE SAFETY/FIRE ALARM SYSTEM DEVICES
    - D. LIGHTING AND RECEPTACLE DEVICES.

    THE WRITTEN STATEMENT SHALL BE SUBMITTED TO THE PROJECT MGR., ARCHITECT, AND ENGINEER PRIOR TO WORK. IN THE EVENT THAT THE CONTRACTOR COMMENCES WORK WITHOUT SUBMITTAL, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY AND COST TO MAINTAIN THE ABOVE IN GOOD WORKING ORDER AND CONDITION.

    AND COMMUNICATIONS OUTLETS. ELECTRICAL ENGINEERING DRAWINGS SHALL BE USED FOR CIRCUITING INFORMATION ONLY.

    LOCATIONS OF ALL MECHANICAL AND PLUMBING EQUIPMENT.
52. E.C. SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL ELECTRICAL
53. E.C. SHALL REFER TO MECHANICAL AND PLUMBING ENGINEERING DRAWINGS FOR EXACT

EXISTING INFORMATION NOTE:

THE ELECTRICAL PLANS WERE DESIGNED USING INFORMATION AVAILABLE TO ENGINEER. EXISTING INFORMATION MAY BE INCOMPLETE OR MAY HAVE DISCREPANCIES FROM THE EXISTING BUILDING ELECTRICAL SYSTEM. THE CONTRACTOR SHALL VISIT THE SITE TO UNDERSTAND THE NATURE AND SCOPE OF ALL WORK TO BE PERFORMED AND VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID. ANY CHANGES REQUIRED DUE TO INCORRECT EXISTING INFORMATION WILL BE THE CONTRACTOR'S RESPONSIBILITY.

ADA NOTE:

LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTAT AND OTHER ENVIRONMENTAL CONTROLS SHALL HAVE OPERABLE PARTS OF THE CONTROLS LOCATED NO HIGHER THAN 48", AND NO LOWER THAN 15", ABOVE THE FLOOR. IF THE REACH IS OVER AN OBSTRUCTION BETWEEN 20" AND 25" IN DEPTH, THE MAXIMUM HEIGHT IS REDUCED TO 44" FOR FORWARD APPROACH, OR 46" FOR SIDE APPROACH, PROVIDED THE OBSTRUCTION IS NO MORE THAN 24" IN DEPTH. OBSTRUCTIONS SHALL NOT EXTEND MORE THAN 25" FROM THE WALL BENEATH A CONTROL.

DEMOLITION NOTES:

REFER TO ARCHITECTURAL DRAWINGS TO VERIFY EXTENT OF DEMOLITION. ALL ELECTRICAL WORK IN NATURE, ie, REMOVING, RELOCATING, RECONNECTION, ETC. CAUSED BY THIS DEMOLITION SHALL BE DEEMED PART OF THE ELECTRICAL CONTRACTOR'S CONTRACT.

ELECTRICAL SCOPE OF WORKS:

1. REPLACE EXISTING LIGHTING AT DINING AREA, CUSTOMER SERVICE AREA, VESTIBULE AREA, SSBB, RESTROOM AND BREAK ROOM AREA.
2. ADDITION OF OUTLETS IN DINING AND BREAK ROOM AREA.
3. RELOCATION OF ORB MONITOR.
4. RENOVATION OF P.O.S. COUNTER AND DIGITAL MENU BOARD.
5. POWER AND DATA FOR NEW KIOSK.
6. POWER FOR NEW LED PUCK LIGHT IN HAPPY MEAL DISPLAY.

DRAWING INDEX:

E1.0	ELECTRICAL SYMBOLS, ABBREVIATIONS, DRAWING INDEX, AND SPECIFICATIONS
E2.0	ELECTRICAL LIGHTING PLAN
E3.0	ELECTRICAL POWER PLAN

ABBREVIATIONS:

AC	ABOVE COUNTER
AF	AMPERE FRAME OR FUSE
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFS	AUTOMATIC FIRE SPRINKLER
AIC	AMPS INTERRUPTING CAPACITY RATING
AMP, A	AMPERES
APPR	APPROVED
AS	AMPERE SWITCH RATING
AT	AMPERE TRIP RATING OF BREAKER
AUTO	AUTOMATIC
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BFC	BELOW FINISHED CEILING
BMS	BUILDING MANAGEMENT SYSTEM
BKR	BREAKER
C	CONDUIT
CFL	COMPACT FLUORESCENT
CKT	CIRCUIT
CNTRL	CONTROL
CO	CARBON MONOXIDE
CT	CURRENT TRANSFORMER
CU	COPPER
CWP	COLD WATER PIPE
DEF	DEFROST
DISC	DISCONNECT
DIST	DISTRIBUTION
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EDF	ELECTRIC DRINKING FOUNTAIN
EL	EVENING LIGHT
ELEV	ELEVATION
EM	EMERGENCY LIGHT
EMERG	EMERGENCY
EOL	END OF LINE RESISTOR
EQPT	EQUIPMENT
EXH	EXHAUST
(E)	EXISTING
(F)	FUTURE
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FF	FINISHED FLOOR
FG	FINISHED GRADE
FLEX	FLEXIBLE
FLUOR	FLUORESCENT
GFCI	GROUND FAULT CURRENT INTERRUPTER
GND	GROUND
HP	HORSE POWER
HZ	HERTZ
INC	INCANDESCENT
ISC	SHORT CIRCUIT CURRENT
ISOL	ISOLATED
kcmil	THOUSAND CIRCULAR MILS
kV	KILOVOLTS
kW	KILOWATTS
kVA	KILOVOLT AMPERES
LT, LTS	LIGHT, LIGHTS
LTG	LIGHTING
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUG ONLY
MPOE	MAIN POINT OF ENTRY
MS	MOTION SENSOR
MSB	MAIN SWITCHBOARD
MTMB	MAIN TELEPHONE MOUNTING BOARD
N	NEW
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRIC MANUFACTURER ASSOCIATION
NIES	NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECIFICATIONS
N.I.C.	NOT IN CONTRACT
NL	NIGHT LIGHT
NT	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OL	OVERLOAD
PB	PULLBOX
PFB	PROVIDE FOR FUTURE BREAKER
PIV	POST INDICATOR VALVE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PWR	POWER
RCP	REFLECTED CEILING PLAN
RECPT	RECEPTACLE
REQD	REQUIRED
SHLD	SHIELDED
SHT	SHEET
SPECS	SPECIFICATIONS
SW	SWITCH
SYM	SYMMETRICAL
TEMP	TEMPERATURE
TOF	TIMED OFF DELAY
TS	TAMPER SWITCH
TSTAT	THERMOSTAT
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UGPS	UNDERGROUND PULL SECTION
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTABLE POWER SUPPLY
VFD	VARIABLE FREQUENCY DRIVE
V	VOLTS
W	WATTS
w/	WITH
WP	WEATHERPROOF
WPL	WEATHERPROOF LOCKING
XFMR	TRANSFORMER

ELECTRICAL SYMBOL LEGEND:

(NOT ALL SYMBOLS SHOWN MAY BE USED)

- FLUORESCENT LIGHT FIXTURE – RECESSED
- FLUORESCENT LIGHT FIXTURE – RECESSED WITH INTEGRAL BATTERY PACK FOR EMERGENCY OPERATION
- FLUORESCENT LIGHT FIXTURE – SURFACE MOUNTED
- FLUORESCENT LIGHT FIXTURE – SURFACE MOUNTED WITH INTEGRAL BATTERY PACK FOR EMERGENCY OPERATION
- FLUORESCENT LIGHT FIXTURE – WALL MOUNTED
- FLUORESCENT STRIP LIGHT – SURFACE MOUNTED
- CEILING LIGHT FIXTURE – SURFACE/RECESSED MOUNTED
- LIGHT FIXTURE – WALL MOUNTED
- SINGLE HEAD SITE LIGHTING FIXTURE – POLE MOUNTED
- TWIN HEAD SITE LIGHTING FIXTURE – POLE MOUNTED
- FLOODLIGHT FIXTURE – GROUND MOUNTED
- EXIT LIGHT – CEILING OR WALL MOUNTED WITH ARROWS AS SHOWN
- EMERGENCY LIGHTING FIXTURE – SURFACE MOUNTED
- SINGLE RECEPTACLE. MOUNT AT 18" A.F.F. TO CENTER OF RECEPTACLE. U.N.O.
- DUPLEX CONVENIENCE OUTLET. MOUNT AT 18" A.F.F. TO CENTER OF RECEPTACLE. U.N.O.
- DUPLEX CONVENIENCE OUTLET, SPLIT WIRED, MOUNT AT 18" A.F.F. TO CENTER OF RECEPTACLE. U.N.O.
- DUPLEX CONVENIENCE OUTLET, ISOLATED GROUND, MOUNT AT 18" A.F.F. TO CENTER OF RECEPTACLE. U.N.O.
- DUPLEX CONVENIENCE OUTLET MOUNTED ABOVE COUNTERHEIGHT. MOUNT BOTTOM OF J-BOX AT +44" A.F.F.
- FOURPLEX RECEPTACLE, MOUNT AT 18" A.F.F. TO CENTER OF RECEPTACLE. U.N.O.
- FLUSH FLOOR OUTLET WITH BRASS COVERPLATE, U.N.O.
- SPECIAL OUTLET, VERIFY NEMA CONFIGURATION WITH EQUIPMENT.
- JUNCTION BOX, IN ACCESSIBLE LOCATION. SIZE AND AND TYPE AS INDICATED OR AS REQUIRED
- $ SINGLE POLE SWITCH. MOUNT BOTTOM OF BOX AT +46" A.F.F., U.N.O.
- $3 THREE-WAY SWITCH. MOUNT BOTTOM OF BOX AT +46" A.F.F., U.N.O.
- $M Sm H.P./MOTOR RATED SWITCH.
- $D DIMMER SWITCH. MOUNT BOTTOM OF BOX AT +46" A.F.F., U.N.O.
- TELEPHONE OUTLET, CAT 5E CABLE IN 3/4"C, 4'' SQ. BOX WITH SINGLE DEVICE RING AND PLATE. MOUNT AT 18" A.F.F. TO CENTER OF OUTLET. U.N.O.
- DATA OUTLET, CAT 5E CABLE IN 3/4"C, 4'' SQ. BOX WITH SINGLE DEVICE RING AND PLATE. MOUNT AT 18" A.F.F. TO CENTER OF OUTLET. U.N.O.
- COMBINATION TELEPHONE/DATA OUTLET, (2) CAT 5E IN 3/4"C, 4'' SQ. BOX WITH SINGLE DEVICE RING AND PLATE. MOUNT AT 18" A.F.F. TO CENTER OF OUTLET. U.N.O.
- TV TELEVISION OUTLET, COAX CABLE IN 3/4"C, 4'' SQ. BOX WITH SINGLE DEVICE RING AND PLATE. MOUNT BOTTOM OF J-BOX AT 16" A.F.F., U.N.O.
- PANELBOARD – SURFACE MOUNTED – SEE SCHEDULE
- PANELBOARD – FLUSH MOUNTED – SEE SCHEDULE
- DISCONNECT SWITCH – SIZE AND FUSES PER MANUFACTURER'S RECOMMENDATIONS (WEATHER- PROOF WHERE LOCATED OUTSIDE).
- MOTOR CONTROLLER – FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. SIZE FOR EQUIPMENT CONTROLLED OR AS PER PLANS.
- COMBINATION DISCONNECT SWITCH AND MOTOR CONTROLLER – FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- MOTOR, CONNECT AS REQUIRED – SIZE AS INDICATED IN DRAWINGS.
- CONDUIT RUN CONCEALED BELOW FLOOR OR FINISHED GRADE
- CONDUIT CONCEALED IN CEILING OR WALL
- HOMERUN TO RESPECTIVE PANEL – UNDERGROUND.
- HOMERUN TO RESPECTIVE PANEL – OVERHEAD.
- BRANCH CIRCUIT/HOMERUN HASH MARKS INDICATE NUMBER OF CONDUCTORS. NO HASH MARKS INDICATES 2 #12 AWG, 1 #12 BOND, 1/2" CONDUIT.
- CONDUIT RISER – UP OR DOWN
- S SPEAKER, CEILING MOUNTED.
- PHOTOCELL CONTROLLER "TORK" 2100 SERIES. MOUNTED ON ROOF, FACING NORTH.
- TC TIME CLOCK "TORK" #DZS200BP, NEMA 3R.
- C LIGHTING CONTACTOR, 20A ELECTRICALLY HELD 120V COIL IN NEMA 1 ENCLOSURE. (WEATHERPROOF WHERE LOCATED OUTSIDE)

PREPARED BY:

EBI Engineering, P.C.

21 B Street | Burlington, MA 01803

Tel: (781) 273-2500 | www.ebiconsulting.com

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FIRM C OF A NO.: N/A

SIGNED BY:

STATE OF MISSOURI – ONOFRE MAYUGA – NUMBER PE-2019010895 – PROFESSIONAL ENGINEER

12/15/20

DATE:

NAME: ONOFRE MAYUGA

LICENSE NO: PE-2019010895

PREPARED FOR:

McDonald's USA, LLC

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CONSULTANT:

SUBMITTAL

NO.	DESCRIPTION	DATE	BY
0	FOR PERMIT	6/11/20	JC
1	SAO UPDATE	12/18/20	OWJ

DRAWN BY: YA

REVIEWED BY: OM

STD ISSUE DATE:

DATE ISSUED: 06/04/2020

SITE ID NO.: 3172

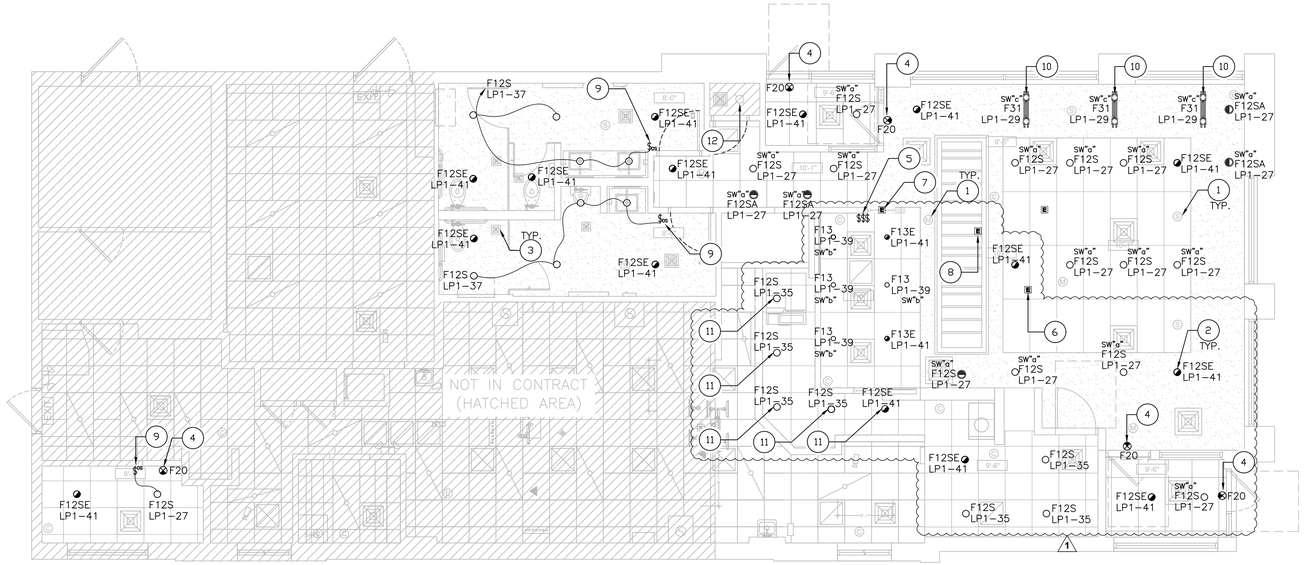
PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST: 2020 MOD C

SHEET TITLE: ELECTRICAL SYMBOLS, ABBREVIATIONS, DRAWING INDEX, GENERAL NOTES & SPECIFICATIONS

SITE ADDRESS: 1300 WEST 103RD STREET KANSAS CITY MO 64114

PROJECT NO. 4118000362

SHEET NO. **E1.0**



1 E2.0 ELECTRICAL LIGHTING PLAN
3/16" = 1'-0"

COMcheck Software Version 4.1.2.0
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: McDonald
Project Type: Alteration
Permit Date: TBD
Permit No. TBD

Construction Site:
1300 WEST 103RD STREET
KANSAS CITY, MO 64114

Owner/Agent:
McDonald

Designer/Contractor:
Yao Agbeve
EBI CONSULTING
21 B STREET
BURLINGTON, MA 01803

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Dining: Cafeteria/Fast Food	1520	0.90	1368
		Total Allowed Watts =	1368

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Dining: Cafeteria/Fast Food (1520 sq.ft.)				
F12: NEW: CAN RECESSED: LED Other Fixture Unit 13W:	1	48	12	576
F13: NEW: CAN RECESSED: LED Other Fixture Unit 13W:	1	6	25	150
F31: NEW: LED STRIP: LED Other Fixture Unit 28W:	1	3	15	45
		Total Proposed Watts =		771

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.2.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

YAO AGBEVE - DESIGNER — Name - Title
Signature
12/13/2020 — Date

Project Title: McDonald — Report date: 12/13/20
Data filename: \\fusion\AE\McDonalds\Denver Region\4118000362_Kansas City-KC 103 St, MO_024-0074\09 M (No-CAD)\01 ELEC\CALCS\KANSAS.cck — Page 1 of 5

LIGHTING FIXTURE SCHEDULE

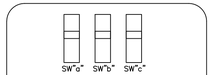
MARK	DESCRIPTION/ MANUFACTURER	LAMPS WATTS	LAMPS TYPE	MOUNTING	MANUFACTURER AND CATALOG NUMBER
F11	SECURITY LIGHTING ALPHABET PENDANT LIGHT	20	LED	PENDANT	MSP-A-BM-108LED-CBC
F12S	SECURITY LIGHTING 6" LED DOWN LIGHT	12	LED	RECESSED	LB6A10LDM-30K-9-SA/DBXQL
F12SE	SECURITY LIGHTING 6" LED DOWN LIGHT	12	LED	RECESSED	LB6A10LDM-30K-9-SA/DBXQL LG125TXX. PROVIDE LITE GEAR LG 125 CENTRAL LIGHTING INVERTER FOR EMERGENCY LIGHTS
F12SA	SECURITY LIGHTING 6" LED ADJUSTABLE DOWNLIGHT	12	LED	RECESSED	LB6A10LDM-30K-9-WW-SA/DBXQL WALL WASHER WITH SILVER TRIM
F13	SECURITY LIGHTING 4" LED DOWNLIGHT	25	LED	RECESSED	LF4SL-4LFSL20L-30K-SP-DL-B24
F13E	SECURITY LIGHTING 4" LED DOWNLIGHT	25	LED	RECESSED	LF4SL-4LFSL20L-30K-SP-DL-B24/LG125TXX
F20	SECURITY LIGHTING		LED	SURFACE/CEILING	EVEURWE FIXTURE SHALL HAVE INTEGRAL BATTERY BACK-UP. PROVIDE DIRECTIONAL ARROW IF REQUIRED
F31	STRIPS	15	LED	STRIP	PDNT-001-W15-MT39 DNTHWD-43120-001

KEY NOTES

1. EXISTING DEVICE RELOCATED TO NEW LOCATION.
2. NIGHT LIGHT/ EMERGENCY LIGHT (NL/EL). CONNECT HEAD OF ANY SWITCHING DEVICES. (UNSWITCHED).
3. EXISTING EXHAUST FAN TO REMAIN.
4. NEW ILLUMINATED EXIT SIGN FIXTURE WITH SELF-CONTAINED BATTERY BACK-UP. CONNECT TO LIGHTING CIRCUIT SERVING THE SAME AREA EXCEPT CONNECT AHEAD OF ANY SWITCHING DEVICES (UNSWITCHED)
5. LIGHTING SWITCHBANK. SEE SWITCHBANK DETAIL #2 ON THIS SHEET
6. PROVIDE JUNCTION BOX WITHIN CEILING SPACE FOR COMPLETE CONNECTION OF NEW KIOSK. REFER TO ELECTRICAL POWER PLAN ON SHEET E3.0 FOR POWER DETAILS.
7. PROVIDE NEW JUNCTION BOX IN CEILING FOR CONNECTION OF LED PUCK LIGHT FOR "HAPPY MEAL DISPLAY" VERIFY LOCATION PRIOR TO ROUGH-IN.
8. PROVIDE NEW JUNCTION BOX IN CEILING FOR LIGHTING IN SOFFIT. VERIFY LOCATION PRIOR TO ROUGH-IN.
9. WALL SWITCH SENSOR WITH PASSIVE INFRARED (PIR) SENSOR WITH MANUAL ON-OFF OVERRIDE. OCCUPANCY SENSING DEVICES MAY NOT BE COMPATIBLE WITH LIGHT FIXTURE. CONTRACTOR TO COORDINATE COMPATIBILITY WITH THE LIGHTS FIXTURE.
10. PROVIDE NEW JUNCTION BOX IN CEILING FOR LED STRIPS CONNECTION. VERIFY LOCATION PRIOR TO ROUGH-IN
11. NEW LIGHT FIXTURE. CONNECT TO EXISTING KITCHEN ADJACENT CIRCUIT LP1-35 AND CONTROLS.
12. EXISTING LIGHT FIXTURE AND CONTROLS TO REMAIN.

NOTES:

1. GENERAL CONTRACTOR TO VERIFY BREAKER ASSIGNMENT AT PANEL LP1.
2. ELECTRICAL CONTRACTOR SHALL UPDATE PANELBOARD CIRCUIT DIRECTORIES



SWITCH "a": DINING AREA
SWITCH "b": POS/CUSTOMER AREA
SWITCH "c": PENDANTS/STRIP LTG.

2 E2.0 SWITCHBANK DETAIL
NOT TO SCALE

ROOM LOCATION: ROOM				3PH-4W		PANEL NAME: LP1					
VOLTAGE (L-N): 120 V				MAINS: 225A MLO					% LOAD SPARE: 20%		
VOLTAGE (L-L): 208 V				BUS RATING: 225A - COPPER					% SPACE AVAIL.: 5%		
AIC (MINIMUM): 10 kA (FULLY RATED)				NOTES:					TOTAL DEMAND (kVA): 49		
% LOAD IMBALANCE: 4%				$ - SHUNT TRIP					TOTAL CONN (kVA): 40		
MAX. CONN.PH. AMP: 139 A (with SPARE)				$$ - GFCI					% NEUTRAL: 100%		
ISOLATED GND (Y/N): N				$$$ - LOCKED ON BRKR.					NEMA ENCLOSURE: I		

$	LOAD NAME	POLE	TRIP	CKT No.	LOAD (VA) A		B		C		CKT No.	TRIP	POLE	LOAD NAME	$
	DINING RECEPTACLES	1	20	1	1080	1200					2	20	1	KIOSK	
	DINING RECEPTACLES	1	20	3			720	1200			4	20	1	FLAG POLE	
	SPARE	1	20	5					0	0	6	20	1	SPARE	
	C.O.D.2	1	20	7	1200	600					8	20	1	MENU BOARD	
	ANCK LOGO FASCIA SIGN	1	20	9			1200	1200			10	20	1	EXTERIOR LTS	
	AWNING LTS	1	20	11					500	1200	12	20	1	EXTERIOR LTS	
	SIGN	1	20	13	600	720					14	20	1	RED BOB	
	SIGNAGE	1	20	15			1200	300			16	20	1	SECURITY LTS/ DOOR ALARM/ CO2 SYSTEM	
	SIGNAGE	1	20	17					1200	2018	18	25	2	LOT LIGHTS	
	TBD	1	20	19	1200	2018					20	25	--------		
	TBD	1	20	21			1200	2018			22	25	2	LOT LIGHTS	
	TBD	1	20	23					1200	2018	24	25	--------		
	D.T.	1	20	25	600	2018					26	25	2	LOT LIGHTS	
	DINING LTS	1	20	27			216	2018			28	25	--------		
	DINING LTS	1	20	29					45	1200	30	20	1	TBD	
	DINING LTS	1	20	31	150	1200					32	20	1	TBD	
	DINING LTS	1	20	33			150	1200			34	20	1	TBD	
	KITCHEN LTS	1	20	35					800	1200	36	20	1	TBD	
	RESTROOM LTS	1	20	37	96	1200					38	20	1	TBD	
	SUPPORT AREA LTS	1	20	39			200	600			40	20	1	SIGN	
	NIGHT/EXIT/ EMERGENCY	1	20	41					218	1200	42	20	1	TBD	
	CONNECTED LOAD PER PHASE (VA) >>>				13882		13422		12799		<<< CONNECTED LOAD PER PHASE (VA)				
	TOTAL CONNECTED LOAD (VA) >>>				40103						<<< TOTAL CONNECTED LOAD (VA)				

NOTES:

1. ANY EXISTING CONDITIONS INDICATED IN THIS SET OF DRAWINGS ARE BASED ON THE INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. ELECTRICAL WORK SHALL BE CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. ALL APPLICABLE CODES, ISSUED DRAWINGS AND SPECIFICATIONS.
3. IDENTIFICATIONS: PROVIDE PRE-PRINTED MACHINE MADE LABELS AND ATTACH TO EACH WALL PLATE. IDENTIFY PANEL AND CIRCUIT OF CONTROLLED FIXTURES. IDENTIFY CONTAINED CIRCUITS IN EACH JUNCTION AND PULL BOX CLEARLY ON COVER.
4. CONDUIT AND RACEWAY SHOWN ARE DIAGRAMMATIC IN NATURE. EXACT ROUTING AND REQUIREMENTS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.
5. FLOOR, WALL AND CEILING PENETRATIONS MUST BE SEALED WITH A STOPPING SYSTEM, APPROPRIATE TO THE PENETRATED FLOOR OR WALL TYPE, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
6. CIRCUIT CONDUIT AND RACEWAY SHALL BE CONCEALED IN WALL OR CEALING.
7. ALL 120V CIRCUIT WIRING ON THIS PLAN SHALL BE SIZED WITH #10 THHN CU CONDUCTORS FOR HOT. NEUTRAL AND GROUND THROUGH-OUT RUN.
8. CONTRACTOR SHALL VERIFY THAT THE ADDITIONAL CIRCUIT LOAD DOES NOT EXCEED THE RATED CAPACITY FOR EXISTING CIRCUIT. IF THE LOAD EXCEEDS, THE CONTRACTOR SHALL FORM A NEW CIRCUIT FOR THE NEW LOAD AND CONNECT TO SPARE CIRCUIT AT PANEL.
9. LIGHTING CONTROL DEVICES MAY NOT BE COMPATIBLE WITH THE LIGHT FIXTURE. CONTRACTOR SHALL COORDINATE WITH CONTROL MANUFACTURER/SUPPLIER DIMMING COMPATIBILITY WITH THE LIGHT FIXTURE PRIOR TO BID AND ORDERING.
10. THE REQUIRED LIGHTING CONTROLS SHALL BE LOCATED WITHIN THE AREA SERVED BY THE CONTROLS OR BE REMOTE SWITCH THAT IDENTIFIES THE LIGHTS SERVED AND INDICATES THEIR STATUS. (ANNUNCIATED LIGHT SWITCH DEVICE)
11. E.C. SHALL COORDINATE EXACT LOCATION OF LIGHTING CONTROLS WITH MCDONALD'S CONSTRUCTION MANAGER PRIOR TO COMMENCEMENT OF WORK.

PREPARED BY:
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FIRM C OF A NO.: N/A

SIGNED BY:
COMMONWEALTH OF MASSACHUSETTS
ONOFRE MAYUGA
NUMBER
PE-2019010895
PROFESSIONAL ENGINEER
12/15/20
DATE:

NAME: ONOFRE MAYUGA
LICENSE NO: PE-2019010895

PREPARED FOR:
McDonald's USA, LLC
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CONSULTANT:

SUBMITTAL

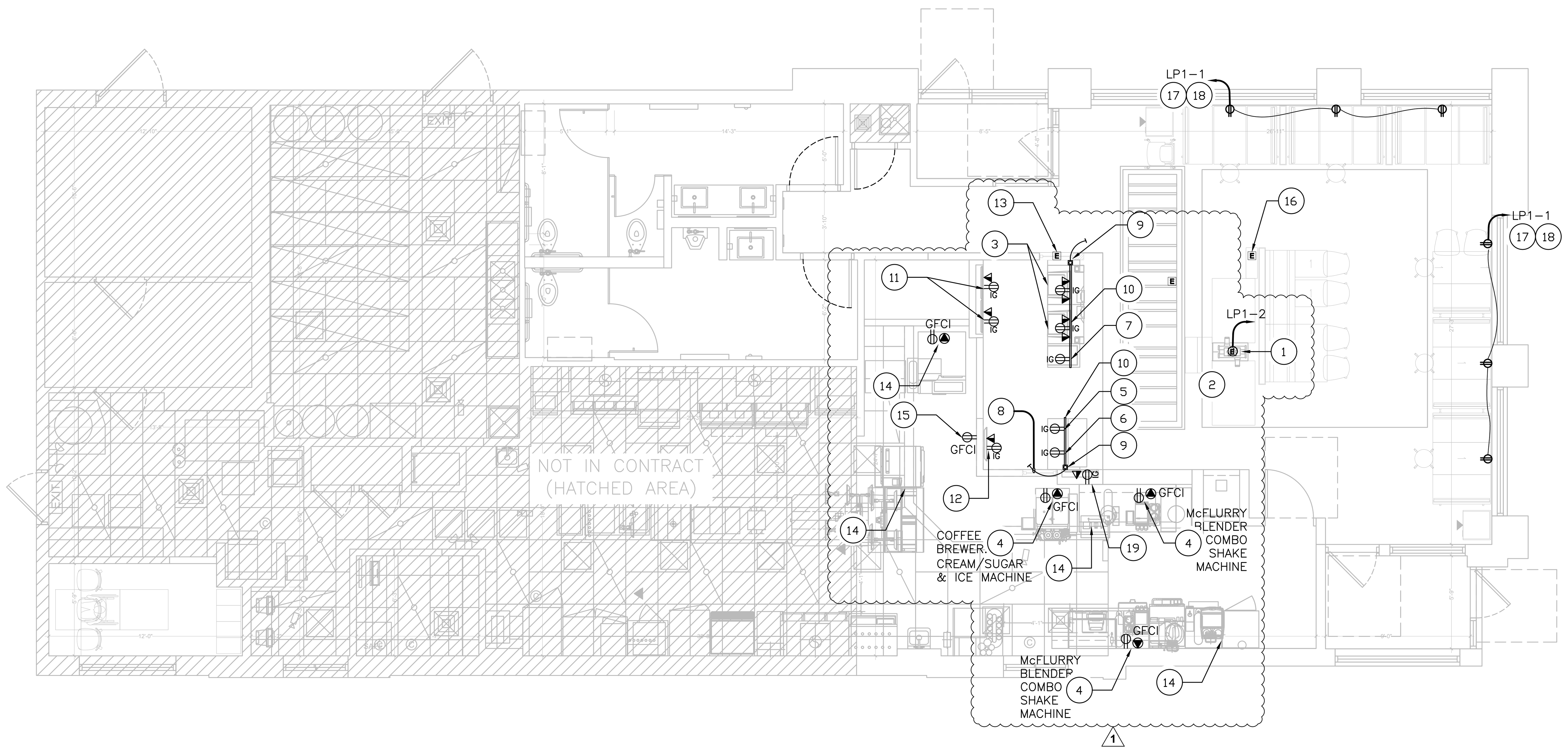
NO.	DESCRIPTION	DATE	BY
0	FOR PERMIT	6/11/20	JC
1	SAO UPDATE	12/18/20	OM/J

DRAWN BY: YA
REVIEWED BY: OM
RTO ISSUE DATE:
DATE ISSUED: 06/04/2020
SITE ID NO.: 3172

PROJECT TITLE: MCDONALD'S RESTAURANT KC-103 ST: 2020 MOD C
SHEET TITLE: ELECTRICAL LIGHTING PLAN
SITE ADDRESS: 1300 WEST 103RD STREET KANSAS CITY MO 64114

PROJECT NO. 4118000362

SHEET NO. E2.0



1 / E3.0 ELECTRICAL POWER PLAN

3/16" = 1'-0"

NORTH

KEYED NOTES:

1. PROVIDE JUNCTION BOX WITHIN CEILING SPACE FOR COMPLETE CONNECTION OF NEW KIOSK. PROVIDE 20AMP DEDICATED CIRCUIT FED FROM ELECTRICAL PANEL.
2. PROVIDE 1-3/4" EMPTY CONDUIT WITH PULLSTRING TO MAIN TMB FOR NEW KIOSK LV DATA CABLING.
3. NEW POS COUNTER RELOCATION ALL EXISTING RECEPTACLE, DATA, ETC OUTLETS OR U.N.O. EXTENDED WIRES, CONDUITS & DATA CABLING TO NEW OUTLET LOCATION AS REQUIRES. RECONNECT TO EXISTING POWER PANEL/DATA PORT SERVER.
4. RELOCATED EXISTING KITCHEN EQUIPMENT:
   COMBO SHAKE MACHINE, McFLURRY BLENDER, COFFEE BREWER, CREAMER BLENDED ICE MACHINE, SPECIALTY COFFEE.
   REUSE ALL EXISTING EQUIPMENT POWER OUTLETS. EXTEND WIRES AS NECESSARY. VERIFY LOCATION PRIOR TO ROUGH-IN.
5. PROVIDE 20AMP, 120V, 1PH DUPLEX RECEPTACLE FOR ORDER READY BOARD
6. PROVIDE 20AMP, 120V, 1PH DUPLEX RECEPTACLE FOR ORDER READY BOARD "ORB" SCANNER.
7. PROVIDE 20AMP, 120V, 1PH DUPLEX RECEPTACLE FOR ABOVE COUNTER BAKED GOODS DISPLAY CASE.
8. PROVIDE 3/4" CONDUIT WITH 2#12 THWN CU, 1#12 THWN CU ISOLATED GRND.
9. PROVIDE NEW 4"X4"X4" PULLBOX MOUNTED AT +10FT AFF PROVIDE 2-1/2" EMPTY CONDUIT WITH PULLSTRING FOR POS & DATA CABLING. RUN CONDUIT IN ADJACENT FULL HEIGHT WALL COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
10. U.L. LISTED RACEWAY PROVIDED WITH COUNTER, INSTALLED BY ELECTRICAL CONTRACTOR.
11. RELOCATED DIGITAL MENUBOARD. RELOCATED ALL EXISTING POWER, DATA ETC OUTLETS. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. EXTEND WIRES, CONDUITS & DATA CABLING TO NEW LOCATION AS REQUIRED.
12. RELOCATED ORDER READY BOARD (ORB) TO BE MOUNTED ON WALL. RELOCATE ALL EXISTING POWER, DATA ETC OUTLETS. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. EXTEND WIRES, CONDUITS & DATA CABLING TO NEW LOCATION AS REQUIRED. RECONNECT TO EXISTING POWER CIRCUIT AT PANEL/DATA PORT SERVER.
13. PROVIDE NEW JUNCTION BOX IN CEILING FOR CONNECTION OF LED PUCK LIGHT FOR "HAPPY MEAL DISPLAY" VERIFY LOCATION PRIOR TO ROUGH-IN.
14. NEW KITCHEN EQUIPMENT. G.C. TO PROVIDE POWER. VERIFY MANUFACTURER POWER REQUIREMENT.
15. PROVIDE 5-20R RECEPTACLE FOR FUTURE DELIVERY TABLET AT 2'-0" AFF. EXTEND NEARBY APPLIANCE PANEL CIRCUIT TO NEW RECEPTACLE. VERIFY CIRCUIT HAS 1.5 AMOS OF AVAILABLE AMPACITY.
16. ELECTRICAL STUB OUT THROUGH FLOOR, BY G.C. PROVIDE NEW JUNCTION BOX FOR TABLE POWER CONNECTION. VERIFY LOCATION PRIOR TO ROUGH-IN.
17. PROVIDE 3/4" CONDUIT WITH 2#10 THWN CU, 1#10 THWN CU BOND.
18. ALL NEW DINING AREA RECEPTACLE OUTLETS SHALL BE COMBINATION USB CHARGER & TAMPER-RESISTANT DUPLEX OUTLET U.N.O. MFR BY HUBBELL #USB15X2W.
19. DIGITAL MERCHANDISER-MEDIA PLAYER. PROVIDE JB WITH 1"C. TO FULL HEIGHT WALL AND TO ABOVE CEILING WITH BUSHINGS. FOR DATA CABLES, SUPPLY WITH GROMMETED OPENING IN COVER PLATE.

GENERAL NOTES:

1. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS UNDER WHICH HE IS TO PERFORM HIS WORK. NO ALLOWANCE WILL BE MADE FOR FAILURE TO COMPLY.
2. ELECTRICAL WORK SHALL COMPLY WITH THE LATEST ENACTED EDITIONS OF THE NEC AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
3. FURNISH AND INSTALL ALL NECESSARY LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED TO INSTALL COMPLETE AND OPERATIONAL ELECTRICAL SYSTEMS ACCORDING TO THE INTENT OF THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS WHETHER ITEMIZED OR NOT.
4. THE ELECTRICAL CONTRACTOR SHALL HAVE THOROUGHLY EXAMINED THE SITE AND FAMILIARIZED HIMSELF WITH THE EXISTING CONDITIONS, AND SHALL HAVE MADE ALLOWANCE THEREFORE IN PREPARING HIS PROPOSAL. HE SHALL VERIFY EXISTING CONDITIONS, PULL BOXES, ELECTRICAL DISTRIBUTION SYSTEMS AND DEMOLITION REQUIREMENTS PRIOR TO SUBMITTING A BID.
5. IN THE EVENT OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE DRAWINGS, THE ELECTRICAL CONTRACTOR SHALL BID NEW CONDITIONS, WIRES AND NECESSARY EQUIPMENT IN ORDER TO COMPLETE THE JOB AND PROVIDE A FULLY OPERABLE AND AND ACCEPTABLE SYSTEMS. EXTRAS WILL NOT BE ALLOWED FOR WORK NOT INDICATED OR NOTED ON THE DRAWINGS WHEN SUCH WORK IS APPARENT FROM AN INSPECTION OF THE PREMISES AT THAT TIME.
6. ALL MATERIALS USED ON THIS PROJECT SHALL BE LISTED AND BEAR THE LABEL OF UNDERWRITERS LABORATORIES AND APPROVED FOR ITS INTENDED USE.
7. ALL MATERIAL AND EQUIPMENT IS TO BE LISTED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND NEC 110.3.
8. ALL EQUIPMENT EXPOSED TO WEATHER CONDITIONS SHALL BE WEATHERPROOF, NEMA RATED AS REQUIRED PER NEMA AND U.L. STANDARDS UNO.
9. ALL RACEWAYS AND CONDUITS SHALL HAVE A SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR COLOR GREEN, SIZED IN CONFORMITY WITH NEC 250.122.
10. ADDITIONAL EXIT SIGNS AND EMERGENCY LIGHTING MAY BE REQUIRED. ADDITIONAL FIXTURES SHALL BE LOCATED AS DIRECTED BY THE LOCAL BUILDING INSPECTOR OR ARCHITECT.
11. THE ELECTRICAL CONTRACTOR SHALL TAG EACH CIRCUIT CONDUCTOR AT EACH JUNCTION BOX, OUTLET, SWITCH, ETC. WITH THE CORRESPONDING PANEL AND BRANCH CIRCUIT DESIGNATION IN COMPLIANCE WITH NEC 408.4 FOR REQUIRED CIRCUIT IDENTIFICATION.
12. WORKMANSHIP SHALL BE OF THE HIGHEST GRADE. DEFECTIVE EQUIPMENT OR EQUIPMENT DAMAGED IN THE COURSE OF INSTALLATION OR TEST SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING WITH THE APPROVAL OF THE OWNER.

IMPORTANT NOTES:

1. ELECTRICAL CONTRACTOR SHALL CONDUCT ELECTRICAL LOAD MONITORING TEST TO EXISTING PANEL 'LP1' AND 'CP-1' IN ACCORDANCE WITH NEC 220.87, TO ENSURE EXISTING PANEL CAN ACCOMMODATE NEW LOADS, PRIOR TO COMMENCEMENT OF WORK. PROVIDE ENGINEER OF RECORD WITH THE RESULTS. COORDINATE WITH ENGINEER OF RECORD FOR FURTHER DIRECTION. (LOAD MONITORING TEST SHALL CONTINUOUSLY RECORDED OVER A MINIMUM 30-DAY PERIOD MEASURING OF AVERAGE POWER DEMAND OVER A 15-MINUTE PERIOD, NEC 220.87 (1) EXCEPTION.)
2. ELECTRICAL CONTRACTOR SHALL SECURE 'SES' HIGH KW DEMAND FROM POWER COMPANY, PRIOR TO COMMENCEMENT OF WORK. PROVIDE ENGINEER OF RECORD WITH THE DATA. COORDINATE WITH ENGINEER OF RECORD FOR FURTHER DIRECTION.
3. CHANGES ON THE ELECTRICAL DESIGN WHICH RESULTED FROM THE LOAD TEST FROM THE EXISTING PANEL AND 'SES'. SHALL REQUIRE ELECTRICAL PLAN CITY RESUBMITTAL.

GFCI NOTES

1. ALL 120V, SINGLE PHASE. 15- AND 20- AMPERE RECEPTACLES IN KITCHEN, SERVICE, AND PREP. AREAS SHALL BE PROVIDED WITH GFCI PER NEC 210.8(B)(2).
2. THE GROUND FAULT CIRCUIT INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION.
3. WHERE GFCI RECEPTACLE IS NOT READILY ACCESSIBLE, PROVIDE REMOTE GFCI "RESET/TEST" BUTTON (SMARTLOCKEDPROP FACELESS GFCI BY LEVITON OR APPROVED EQUAL) IN A READILY ACCESSIBLE LOCATION OR PROVIDE GFCI PROTECTED BREAKER TO CIRCUIT FEEDING THE RECEPTACLE.

NOTES:

1. ANY EXISTING CONDITIONS INDICATED IN THIS SET OF DRAWINGS ARE BASED ON THE INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. ELECTRICAL WORK SHALL BE CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. ALL APPLICABLE CODES, ISSUED DRAWINGS AND SPECIFICATIONS.
3. IDENTIFICATIONS: PROVIDE PRE-PRINTED MACHINE MADE LABELS AND ATTACH TO EACH WALL PLATE. IDENTIFY PANEL AND CIRCUIT OF CONTROLLED FIXTURES. IDENTIFY CONTAINED CIRCUITS IN EACH JUNCTION AND PULL BOX CLEARLY ON COVER.
4. CONDUIT AND RACEWAY SHOWN ARE DIAGRAMMATIC IN NATURE. EXACT ROUTING AND REQUIREMENTS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.
5. FLOOR, WALL AND CEILING PENETRATIONS MUST BE SEALED WITH A STOPPING SYSTEM, APPROPRIATE TO THE PENETRATED FLOOR OR WALL TYPE, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
6. CIRCUIT CONDUIT AND RACEWAY SHALL BE CONCEALED IN WALL OR CEALING.
7. ALL 120V CIRCUIT WIRING ON THIS PLAN SHALL BE SIZED WITH #12 THHN CU CONDUCTORS FOR HOT. NEUTRAL AND GROUND THROUGH-OUT RUN U.N.O.
8. LOCATION, MOUNTING HEIGHTS AND ADDITIONAL REQUIREMENTS OF ALL NEW POWER OUTLET, DATA OUTLET, CONDUIT STUB-OUT, ETC. SHALL BE COORDINATED WITH MCDONALD'S PROJECT MANAGER PRIOR TO COMMENCEMENT OF WORK.
9. LOCATION, MOUNTING HEIGHTS, ADDITIONAL REQUIREMENTS AND DETAILS OF FRONT COUNTER MODIFICATION WORKS, REFER TO MCDONALD'S MODULAR FRONT COUNTER STANDARD DRAWINGS.
10. ALL NEW DINING AREA RECEPTACLE OUTLETS SHALL BE COMBINATION USB CHARGER AND TAMPER-RESISTANT DUPLEX OUTLET, U.N.O. MANUFACTURED BY HUBBELL USB 15X2GY.

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FIRM C OF A NO.: N/A

SIGNED BY:

STATE OF MISSOURI
ONOFRE MAYUGA
NUMBER
PE-2019010895
PROFESSIONAL ENGINEER

DATE: 12/15/20

NAME: ONOFRE MAYUGA
LICENSE NO: PE-2019010895

PREPARED FOR:

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CONSULTANT:

SUBMITTAL

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PROJECT NO. 4118000362

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